

# KATALOG



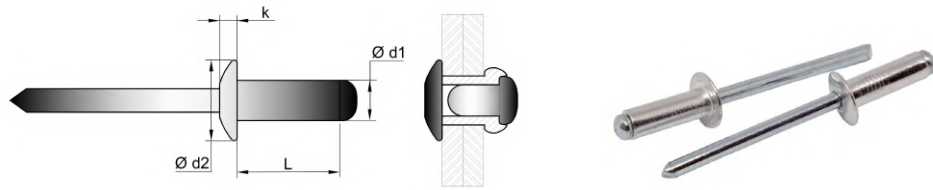
## INHALTSVERZEICHNIS

	<b>Material</b>	<b>Kopf</b>	<b>Type</b>	<b>Seite</b>
<b>BLINDNIET</b>	ALUMINIUM / STAHL	Flachrundkopf	R1031	1
<b>BLINDNIET</b>	ALUMINIUM / STAHL	Großkopf	R1032	4
<b>BLINDNIET</b>	ALUMINIUM / STAHL	Großkopf K16	R1033	5
<b>BLINDNIET</b>	ALUMINIUM / STAHL	Großkopf K11	R1036	5
<b>BLINDNIET</b>	ALUMINIUM / STAHL	Senkkopf	R1034	6
<b>BLINDNIET</b>	ALUMINIUM / ALUMINIUM	Flachrundkopf	R1021	7
<b>BLINDNIET</b>	ALUMINIUM / EDELSTAHL	Flachrundkopf	R1071	8
<b>BLINDNIET</b>	ALUMINIUM / EDELSTAHL	Großkopf	R1072	9
<b>BLINDNIET</b>	ALUMINIUM / EDELSTAHL	Senkkopf	R1074	10
<b>BLINDNIET</b>	STAHL / STAHL	Flachrundkopf	R1041	11
<b>BLINDNIET</b>	STAHL / STAHL	Großkopf	R1042	13
<b>BLINDNIET</b>	STAHL / STAHL	Senkkopf	R1044	14
<b>BLINDNIET</b>	EDELSTAHL / EDELSTAHL gerillt	Flachrundkopf	R1051	15
<b>BLINDNIET</b>	EDELSTAHL / EDELSTAHL gerillt	Senkkopf	R1054	17
<b>BLINDNIET</b>	EDELSTAHL A4 / A4 gerillt	Flachrundkopf	R1541	18
<b>MEHRBEREICHSNIET</b>	ALUMINIUM / STAHL	Flachrundkopf	R1001	19
<b>MEHRBEREICHSNIET</b>	ALUMINIUM / STAHL	Großkopf	R1002	20
<b>MEHRBEREICHSNIET</b>	ALUMINIUM / STAHL	Großkopf K16	R1003	20
<b>MEHRBEREICHSNIET</b>	ALUMINIUM / STAHL	Senkkopf	R1004	21
<b>MEHRBEREICHSNIET</b>	ALUMINIUM / EDELSTAHL	Flachrundkopf	R1441	22
<b>MEHRBEREICHSNIET</b>	STAHL / STAHL	Flachrundkopf	R1461	23
<b>MEHRBEREICHSNIET</b>	STAHL / STAHL	Flachrundkopf	AVIBULB BN01	24
<b>MEHRBEREICHSNIET</b>	STAHL / STAHL	Flachrundkopf	MASTERBULB R1621	25
<b>MEHRBEREICHSNIET</b>	EDELSTAHL / EDELSTAHL gerillt	Flachrundkopf	R1451	26
<b>MEHRBEREICHSNIET</b>	EDELSTAHL / EDELSTAHL gerillt	Flachrundkopf	AVINOX BE61	27
<b>MEHRBEREICHSNIET</b>	EDELSTAHL / EDELSTAHL gerillt	Flachrundkopf	MASTERBULB R1611	28
<b>BLINDNIET Farbe</b>	ALUMINIUM / STAHL	Flachrundkopf	R1131	29
<b>BLINDNIET Farbe</b>	ALUMINIUM / STAHL	Flachrundkopf	R1121	30
<b>MEHRBEREICHSNIET Farbe</b>	ALUMINIUM / STAHL	Flachrundkopf	R1171	31
<b>MEHRBEREICHSNIET Farbe</b>	ALUMINIUM / STAHL	Flachrundkopf	R1181	32
<b>MEHRBEREICHSNIET Farbe</b>	ALUMINIUM / EDELSTAHL	Flachrundkopf	S1441	33
<b>SPREIZNIET</b>	ALUMINIUM / STAHL	Flachrundkopf	R1301	35
<b>HAMMERSCHLAGNIET</b>	ALUMINIUM / EDELSTAHL	Großkopf	R1803	36
<b>DICHTBLINDNIET</b>	ALUMINIUM / STAHL	Flachrundkopf	R1201	37
<b>DICHTBLINDNIET</b>	ALUMINIUM / STAHL	Senkkopf	R1204	38
<b>DICHTBLINDNIET</b>	ALUMINIUM / EDELSTAHL	Flachrundkopf	R1231	39
<b>DICHTBLINDNIET</b>	ALUMINIUM / EDELSTAHL	Senkkopf	R1234	40
<b>DICHTBLINDNIET</b>	STAHL / STAHL	Flachrundkopf	R1241	41
<b>DICHTBLINDNIET</b>	EDELSTAHL / EDELSTAHL gerillt	Flachrundkopf	R1261	42
<b>DICHTBLINDNIET</b>	KUPFER / STAHL	Flachrundkopf	R1251	43
<b>DICHTBLINDNIET</b>	KUPFER / EDELSTAHL	Flachrundkopf	R1281	43

## INHALTSVERZEICHNIS

<b>SCHWERLASTNIET</b>	ALUMINIUM / ALUMINIUM	Flachrundkopf	HEMLOK 2241	44
<b>SCHWERLASTNIET</b>	ALUMINIUM / ALUMINIUM	Flachrundkopf	MONOBOLT 2774	45
<b>SCHWERLASTNIET</b>	ALUMINIUM / ALUMINIUM	Senkkopf	MONOBOLT 2764	46
<b>SCHWERLASTNIET</b>	STAHL / STAHL	Flachrundkopf	HEMLOK 2221	47
<b>SCHWERLASTNIET</b>	STAHL / STAHL	Flachrundkopf	MONOBOLT 2771	48
<b>SCHWERLASTNIET</b>	STAHL / STAHL	Senkkopf	MONOBOLT 2761	49
<b>SCHWERLASTNIET</b>	EDELSTAHL / EDELSTAHL gerillt	Flachrundkopf	MONOBOLT 2711	50
<b>BLINDNIETMUTTER</b>	ALUMINIUM	Flachkopf gerändelt	N2C2-CO	51
<b>BLINDNIETMUTTER</b>	ALUMINIUM	Senkkopf gerändelt	N2C2-VO	52
<b>BLINDNIETMUTTER</b>	STAHL	Flachkopf gerändelt	N23-CO	53
<b>BLINDNIETMUTTER</b>	STAHL	Senkkopf gerändelt	N23-VO	55
<b>BLINDNIETMUTTER</b>	STAHL	Mikrokopf gerändelt	N27-VO	57
<b>BLINDNIETMUTTER</b>	STAHL	Sechskant Flachkopf	N23-HCO	59
<b>BLINDNIETMUTTER</b>	STAHL	Sechskant Mikrokopf	N23-HKVO	59
<b>BLINDNIETMUTTER geschlossen</b>	STAHL	Flachkopf gerändelt	N23-CG	60
<b>BLINDNIETMUTTER geschlossen</b>	STAHL	Senkkopf gerändelt	N23-VG	60
<b>BLINDNIETMUTTER geschlossen</b>	STAHL	Mikrokopf gerändelt	N23-KVG	61
<b>BLINDNIETMUTTER geschlossen</b>	STAHL	Sechskant Mikrokopf	N23-HKVG	62
<b>BLINDNIETMUTTER</b>	EDELSTAHL	Flachkopf gerändelt	N24-CO	63
<b>BLINDNIETMUTTER</b>	EDELSTAHL	Senkkopf gerändelt	N24-VO	63
<b>BLINDNIETMUTTER</b>	EDELSTAHL	Mikrokopf gerändelt	N24-KVO	64
<b>BLINDNIETMUTTER</b>	EDELSTAHL	Sechskant Flachkopf	N24-HCO	64
<b>BLINDNIETMUTTER</b>	EDELSTAHL	Sechskant Mikrokopf	N24-HKVO	65
<b>BLINDNIETMUTTER</b>	EDELSTAHL A4	Mikrokopf glatt	N28-KVO	65
<b>BLISTER</b>	MEHRBER.NIET ALU / STAHL	Flachrundkopf	R1001 Blister	66
<b>BLISTER</b>	MEHRBER.NIET ALU / STAHL	Großkopf	R1002 Blister	67
<b>BLISTER</b>	BLINDNIETMUTTER ALU	Flachkopf gerändelt	N2C2-CO Blister	68
<b>BLISTER</b>	BLINDNIETMUTTER STAHL	Flachkopf gerändelt	N23-CO Blister	68
<b>SPENGLERNIET - leicht lötbare!</b>	STAHL verzinkt	Flachrundkopf	SP	69
<b>SPENGLERNIET - leicht lötbare!</b>	EDELSTAHL/MONEL vernickelt	Flachrundkopf	IN	70
<b>SPENGLERNIET - leicht lötbare!</b>	KUPFER / BRONZE	Flachrundkopf	R1851	71
<b>SPENGLERNIET</b>	KUPFER / STAHL	Flachrundkopf	R1101	71
<b>DOPPELBOHRER HSS</b>	für ALU- u. STAHLBLECHE		BOHRER	71
<b>DOPPELBOHRER HSS</b>	für EDELSTAHLBLECHE		BOHRER	71
<b>HAMMERBOHRER</b>	für BETON & NATURSTEIN		BOHRER	72
<b>WERKZEUG</b>			ab	73







# BLINDNIET



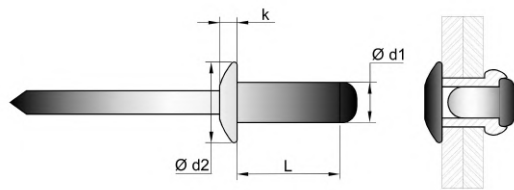
## ALUMINIUM / STAHL Flachrundkopf

R1031

AlMg 3,5 / Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
2.4	x 4.0	0.5 - 2.0	<b>R1031-2404</b>	500	2,5	5.0	0.70	353	315	
	x 6.0	2.0 - 4.0	<b>R1031-2406</b>	500						
	x 8.0	4.0 - 6.0	<b>R1031-2408</b>	500						
	x 10.0	6.0 - 8.0	<b>R1031-2410</b>	500						
	x 12.0	8.0 - 9.5	<b>R1031-2412</b>	500						
3.0	x 4.0	0.5 - 1.5	<b>R1031-3004</b>	500	3,1	6.5	0.80	810	620	
	x 6.0	1.5 - 3.5	<b>R1031-3006</b>	500						
	x 8.0	3.5 - 5.5	<b>R1031-3008</b>	500						
	x 10.0	5.5 - 7.5	<b>R1031-3010</b>	500						
	x 12.0	7.5 - 9.5	<b>R1031-3012</b>	500						
	x 14.0	9.5 - 11.5	<b>R1031-3014</b>	500						
	x 16.0	11.5 - 13.5	<b>R1031-3016</b>	500						
	x 18.0	11.0 - 15.0	<b>R1031-3018</b>	500						
	x 20.0	15.0 - 17.0	<b>R1031-3020</b>	500						
3.2	x 4.0	0.5 - 1.5	<b>R1031-3204</b>	500	3,3	6.5	0.80	980	760	
	x 6.0	1.5 - 3.5	<b>R1031-3206</b>	500						
	x 8.0	3.5 - 5.5	<b>R1031-3208</b>	500						
	x 10.0	5.5 - 7.5	<b>R1031-3210</b>	500						
	x 12.0	7.5 - 9.5	<b>R1031-3212</b>	500						
	x 14.0	9.5 - 11.5	<b>R1031-3214</b>	500						
	x 16.0	11.5 - 13.5	<b>R1031-3216</b>	500						
	x 18.0	13.5 - 15.5	<b>R1031-3218</b>	500						
	x 20.0	15.5 - 17.5	<b>R1031-3220</b>	500						
	x 25.0	17.0 - 22.0	<b>R1031-3225</b>	500						
4.0	x 6.0	1.5 - 3.0	<b>R1031-4006</b>	500	4,1	8.0	1.00	1600	1200	
	x 8.0	3.0 - 5.0	<b>R1031-4008</b>	500						
	x 10.0	5.0 - 6.5	<b>R1031-4010</b>	500						
	x 12.0	6.5 - 8.5	<b>R1031-4012</b>	500						
	x 14.0	8.5 - 10.5	<b>R1031-4014</b>	500						
	x 16.0	10.5 - 12.5	<b>R1031-4016</b>	500						
	x 18.0	12.5 - 14.5	<b>R1031-4018</b>	500						
	x 20.0	14.5 - 16.5	<b>R1031-4020</b>	500						
	x 23.0	16.5 - 19.0	<b>R1031-4023</b>	500						
	x 25.0	19.0 - 21.5	<b>R1031-4025</b>	500						
	x 30.0	21.0 - 25.0	<b>R1031-4030</b>	500						
	x 35.0	25.0 - 30.0	<b>R1031-4035</b>	250						

# BLINDNIET



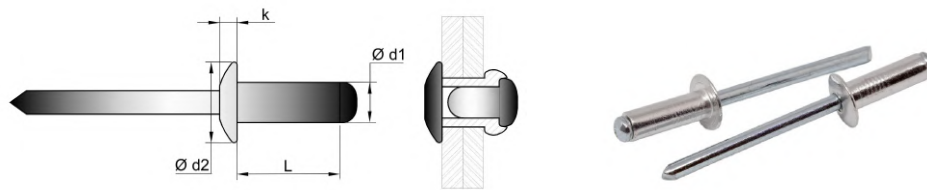
## ALUMINIUM / STAHL Flachrundkopf

d1	L		code			d2	k			
mm	mm	mm			Ø mm	mm	mm	N	N	kN







4.8	x 6.0	1.0 - 3.0	R1031-4806	500	4,9	9.5	1.10	2230	1690
	x 8.0	3.0 - 4.5	R1031-4808	500					
	x 10.0	4.5 - 6.0	R1031-4810	500					
	x 12.0	6.0 - 8.0	R1031-4812	500					
	x 14.0	8.0 - 10.0	R1031-4814	500					
	x 16.0	10.0 - 12.0	R1031-4816	500					
	x 18.0	11.0 - 13.0	R1031-4818	500					
	x 20.0	12.0 - 15.0	R1031-4820	500					
	x 22.0	14.0 - 17.0	R1031-4822	250					
	x 25.0	15.0 - 20.0	R1031-4825	250					
	x 28.0	18.0 - 22.0	R1031-4828	250					
	x 30.0	20.0 - 25.0	R1031-4830	250					
	x 35.0	25.0 - 30.0	R1031-4835	250					
	x 40.0	30.0 - 35.0	R1031-4840	250					
	x 45.0	35.0 - 40.0	R1031-4845	250					
	x 50.0	40.0 - 45.0	R1031-4850	100					
	x 55.0	45.0 - 50.0	R1031-4855	250					

5.0	x 6.0	1.0 - 3.0	R1031-5006	500	5,1	9.5	1.10	2500	2000
	x 8.0	3.0 - 4.5	R1031-5008	500					
	x 10.0	4.5 - 6.0	R1031-5010	500					
	x 12.0	6.0 - 8.0	R1031-5012	500					
	x 14.0	8.0 - 10.0	R1031-5014	500					
	x 16.0	10.0 - 12.0	R1031-5016	500					
	x 18.0	12.0 - 14.0	R1031-5018	500					
	x 21.0	14.0 - 17.0	R1031-5021	250					
	x 25.0	17.0 - 20.0	R1031-5025	250					
	x 27.0	20.0 - 23.0	R1031-5027	250					
	x 30.0	23.0 - 25.0	R1031-5030	250					
	x 35.0	25.0 - 30.0	R1031-5035	250					
	x 40.0	30.0 - 35.0	R1031-5040	250					
	x 45.0	35.0 - 40.0	R1031-5045	250					
	x 50.0	40.0 - 45.0	R1031-5050	250					

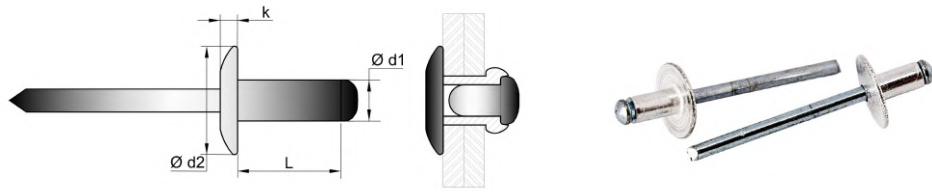
# BLINDNIET



## ALUMINIUM / STAHL Flachrundkopf

d1	L		code			d2	k			
mm	mm	mm			Ø mm	mm	mm	N	N	kN
6.0	x 8.0	2.0 - 4.0	<b>R1031-6008</b>	250	6,1	12.0	1.50	3900	3000	
	x 10.0	4.0 - 6.0	<b>R1031-6010</b>	250						
	x 12.0	6.0 - 8.0	<b>R1031-6012</b>	250						
	x 14.0	7.0 - 9.0	<b>R1031-6014</b>	250						
	x 16.0	9.0 - 11.0	<b>R1031-6016</b>	250						
	x 18.0	11.0 - 13.0	<b>R1031-6018</b>	250						
	x 22.0	13.0 - 17.0	<b>R1031-6022</b>	250						
	x 26.0	17.0 - 20.0	<b>R1031-6026</b>	250						
	x 30.0	20.0 - 24.0	<b>R1031-6030</b>	250						
6.4	x 10.0	0.5 - 2.5	<b>R1031-6410</b>	250	6,5	13.0	1.80	4090	3120	
	x 12.0	4.0 - 6.0	<b>R1031-6412</b>	250						
	x 15.0	6.0 - 9.0	<b>R1031-6415</b>	250						
	x 18.0	9.0 - 12.0	<b>R1031-6418</b>	250						
	x 22.0	12.0 - 15.0	<b>R1031-6422</b>	250						
	x 26.0	15.0 - 18.0	<b>R1031-6426</b>	250						
	x 30.0	18.0 - 23.0	<b>R1031-6430</b>	250						
	x 35.0	23.0 - 28.0	<b>R1031-6435</b>	250						







# BLINDNIET



## ALUMINIUM / STAHL Großkopf

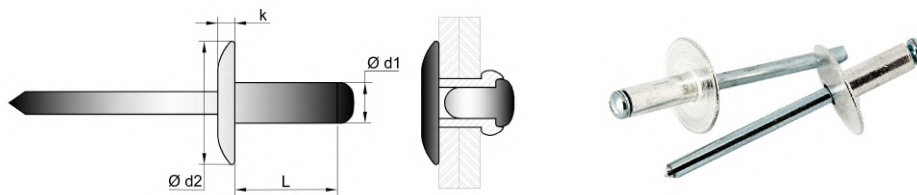
R1032

AlMg 3,5 / Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
<b>3.2</b>	x 6.0	1.5 - 3.5	<b>R1032-3206</b>	500	3,3	9.5	1.20	980	740	
	x 8.0	3.5 - 5.5	<b>R1032-3208</b>	500						
	x 10.0	5.5 - 7.5	<b>R1032-3210</b>	500						
	x 12.0	7.5 - 9.5	<b>R1032-3212</b>	500						
	x 14.0	9.5 - 11.5	<b>R1032-3214</b>	500						
<b>4.0</b>	x 6.0	1.5 - 3.0	<b>R1032-4006</b>	500	4,1	12.0	1.50	1600	1180	
	x 8.0	3.0 - 5.0	<b>R1032-4008</b>	500						
	x 10.0	5.0 - 6.5	<b>R1032-4010</b>	500						
	x 12.0	6.5 - 8.5	<b>R1032-4012</b>	500						
	x 14.0	8.5 - 10.5	<b>R1032-4014</b>	500						
	x 16.0	10.5 - 12.5	<b>R1032-4016</b>	500						
	x 18.0	10.5 - 14.5	<b>R1032-4018</b>	500						
<b>4.8</b>	x 8.0	3.0 - 4.5	<b>R1032-4808</b>	250	4,9	14.0	1.60	2230	1540	
	x 10.0	4.5 - 6.0	<b>R1032-4810</b>	250						
	x 12.0	6.0 - 8.0	<b>R1032-4812</b>	250						
	x 14.0	8.0 - 10.0	<b>R1032-4814</b>	250						
	x 16.0	10.0 - 12.0	<b>R1032-4816</b>	250						
	x 18.0	12.0 - 14.0	<b>R1032-4818</b>	250						
	x 20.0	14.0 - 16.0	<b>R1032-4820</b>	250						
	x 22.0	16.0 - 18.0	<b>R1032-4822</b>	250						
	x 26.0	19.5 - 22.0	<b>R1032-4826</b>	250						
	x 28.0	21.0 - 23.0	<b>R1032-4828</b>	250						
	x 30.0	23.0 - 25.0	<b>R1032-4830</b>	250						
	x 35.0	25.0 - 30.0	<b>R1032-4835</b>	250						
	<b>5.0</b>	x 8.0	2.5 - 4.5	<b>R1032-5008</b>	250	5,1	14.0	1.60	2400	1600
x 10.0		4.5 - 6.0	<b>R1032-5010</b>	250						
x 12.0		6.0 - 8.0	<b>R1032-5012</b>	250						
x 14.0		8.0 - 10.0	<b>R1032-5014</b>	250						
x 16.0		10.0 - 12.0	<b>R1032-5016</b>	250						
x 18.0		12.0 - 14.0	<b>R1032-5018</b>	250						
x 21.0		14.0 - 17.0	<b>R1032-5021</b>	250						
x 24.0		17.0 - 20.0	<b>R1032-5024</b>	250						
x 27.0		20.0 - 22.0	<b>R1032-5027</b>	250						
x 30.0		20.0 - 25.0	<b>R1032-5030</b>	250						









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## ALUMINIUM / STAHL Großkopf K16

R1033







AlMg 3,5 / Stahl verzinkt

d1	L		code			d2	k			
mm	mm	mm			Ø mm	mm	mm	N	N	kN
4.8	x 10.0	3.5 - 5.5	<b>R1033-4810</b>	250	4,9	16.0	1.80	2230	1540	
	x 12.0	5.5 - 7.5	<b>R1033-4812</b>	250						
	x 14.0	7.5 - 9.5	<b>R1033-4814</b>	250						
	x 16.0	9.0 - 11.0	<b>R1033-4816</b>	250						
	x 18.0	11.0 - 13.0	<b>R1033-4818</b>	250						
	x 20.0	13.0 - 15.0	<b>R1033-4820</b>	250						
	x 22.0	15.0 - 17.0	<b>R1033-4822</b>	250						
	x 24.0	17.0 - 19.0	<b>R1033-4824</b>	250						
	x 26.0	19.0 - 21.0	<b>R1033-4826</b>	250						
	x 30.0	21.0 - 25.0	<b>R1033-4830</b>	250						

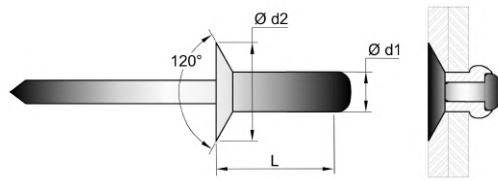
## ALUMINIUM / STAHL Großkopf K11

R1036

AlMg 3,5 / Stahl verzinkt

d1	L		code			d2	k			
mm	mm	mm			Ø mm	mm	mm	N	N	kN
5.0	x 8.0	2.5 - 4.5	<b>R1036-5008</b>	500	5,1	11.0	1.40	3100	2150	
	x 10.0	4.0 - 6.0	<b>R1036-5010</b>	500						
	x 12.0	6.0 - 8.0	<b>R1036-5012</b>	500						
	x 14.0	7.5 - 9.5	<b>R1036-5014</b>	500						
	x 16.0	10.0 - 12.0	<b>R1036-5016</b>	500						
	x 18.0	11.0 - 13.0	<b>R1036-5018</b>	500						
	x 20.0	12.0 - 15.0	<b>R1036-5020</b>	500						







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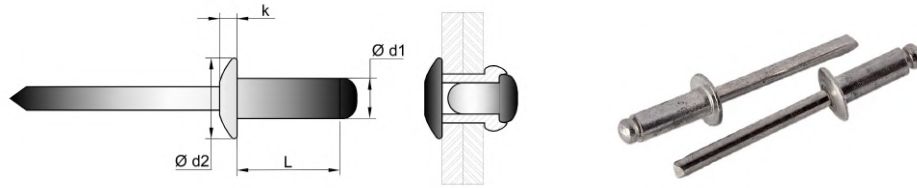
## ALUMINIUM / STAHL Senkkopf

R1034

AlMg 3,5 / Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
2.4	x 6.0	2.0 - 4.0	<b>R1034-2406</b>	500	2,5	5.0	0.80	353	314	
	x 8.0	4.0 - 6.0	<b>R1034-2408</b>	500						
	x 10.0	6.0 - 8.0	<b>R1034-2410</b>	500						
3.0	x 6.0	1.5 - 3.5	<b>R1034-3006</b>	500	3,1	6.0	1.00	810	620	
	x 8.0	3.5 - 5.5	<b>R1034-3008</b>	500						
	x 10.0	5.5 - 7.5	<b>R1034-3010</b>	500						
	x 12.0	7.5 - 9.5	<b>R1034-3012</b>	500						
3.2	x 6.0	1.5 - 3.5	<b>R1034-3206</b>	500	3,3	6.0	1.00	980	760	
	x 8.0	3.5 - 5.5	<b>R1034-3208</b>	500						
	x 10.0	5.5 - 7.5	<b>R1034-3210</b>	500						
	x 12.0	7.5 - 9.5	<b>R1034-3212</b>	500						
	x 14.0	9.5 - 11.5	<b>R1034-3214</b>	500						
	x 16.0	9.0 - 13.0	<b>R1034-3216</b>	500						
4.0	x 6.0	1.5 - 3.0	<b>R1034-4006</b>	500	4,1	7.5	1.30	1600	1200	
	x 8.0	3.0 - 5.0	<b>R1034-4008</b>	500						
	x 10.0	5.0 - 6.5	<b>R1034-4010</b>	500						
	x 12.0	6.5 - 8.5	<b>R1034-4012</b>	500						
	x 16.0	10.5 - 12.5	<b>R1034-4016</b>	500						
	x 18.0	10.5 - 14.0	<b>R1034-4018</b>	500						
	x 20.0	12.5 - 16.5	<b>R1034-4020</b>	500						
4.8	x 8.0	2.0 - 4.5	<b>R1034-4808</b>	500	4,9	9.0	1.50	1600	1200	
	x 10.0	4.5 - 6.0	<b>R1034-4810</b>	500						
	x 12.0	6.0 - 8.0	<b>R1034-4812</b>	500						
	x 14.0	8.0 - 10.0	<b>R1034-4814</b>	500						
	x 16.0	10.0 - 12.0	<b>R1034-4816</b>	500						
	x 18.0	9.0 - 13.0	<b>R1034-4818</b>	500						
	x 21.0	13.0 - 16.0	<b>R1034-4821</b>	250						
	x 25.0	15.0 - 20.0	<b>R1034-4825</b>	250						
	x 35.0	25.0 - 30.0	<b>R1034-4835</b>	250						
5.0	x 8.0	2.5 - 4.5	<b>R1034-5008</b>	500	5,1	9.0	1.50	2500	2000	
	x 10.0	4.5 - 6.0	<b>R1034-5010</b>	500						
	x 12.0	6.0 - 8.0	<b>R1034-5012</b>	500						
	x 14.0	8.0 - 10.0	<b>R1034-5014</b>	500						
	x 16.0	10.0 - 12.0	<b>R1034-5016</b>	500						
	x 18.0	9.0 - 13.0	<b>R1034-5018</b>	500						
	x 20.0	12.0 - 15.0	<b>R1034-5020</b>	250						







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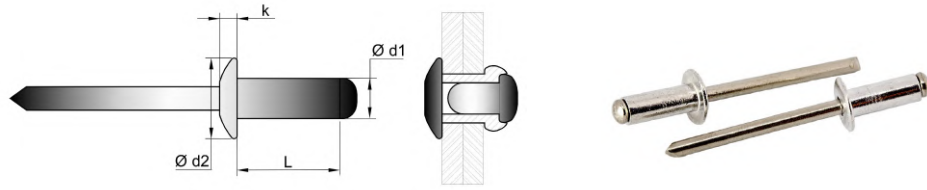
## ALUMINIUM / ALUMINIUM Flachrundkopf

R1021

AlMg 2,5

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
<b>3.2</b>	x 6.0	1.5 - 3.5	<b>R1021-3206</b>	500	3,3	6.5	0.80	667	534	
	x 8.0	3.5 - 5.0	<b>R1021-3208</b>	500						
	x 10.0	5.5 - 7.5	<b>R1021-3210</b>	500						
	x 12.0	7.5 - 9.5	<b>R1021-3212</b>	500						
	x 14.0	9.5 - 11.5	<b>R1021-3214</b>	500						
	x 16.0	11.5 - 13.5	<b>R1021-3216</b>	500						
<b>4.0</b>	x 6.0	1.5 - 3.0	<b>R1021-4006</b>	500	4,1	8.0	1.00	1022	845	
	x 8.0	3.5 - 5.0	<b>R1021-4008</b>	500						
	x 10.0	5.0 - 7.0	<b>R1021-4010</b>	500						
	x 12.0	6.5 - 8.5	<b>R1021-4012</b>	500						
	x 14.0	7.5 - 9.5	<b>R1021-4014</b>	500						
	x 16.0	8.5 - 12.5	<b>R1021-4016</b>	500						
	x 18.0	11.0 - 15.0	<b>R1021-4018</b>	500						
	x 20.0	12.5 - 16.5	<b>R1021-4020</b>	500						
<b>4.8</b>	x 8.0	2.5 - 4.5	<b>R1021-4808</b>	500	4,9	9.5	1.10	1422	1155	
	x 10.0	4.5 - 6.5	<b>R1021-4810</b>	500						
	x 12.0	6.5 - 8.5	<b>R1021-4812</b>	500						
	x 14.0	8.5 - 10.5	<b>R1021-4814</b>	500						
	x 16.0	10.5 - 12.5	<b>R1021-4816</b>	500						
	x 18.0	11.0 - 13.0	<b>R1021-4818</b>	500						
	x 20.0	12.0 - 15.0	<b>R1021-4820</b>	250						
	x 25.0	15.0 - 20.0	<b>R1021-4825</b>	250						







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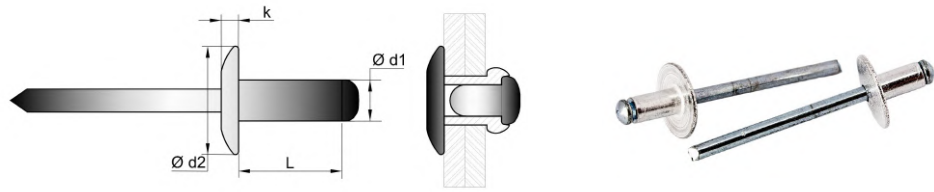
## ALUMINIUM / EDELSTAHL Flachrundkopf

R1071

AlMg 3 / Edelstahl A2

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
3.0	x 6.0	1.5 - 3.5	<b>R1071-3006</b>	500	3,1	6.5	0.80	870	680	
	x 8.0	3.5 - 5.5	<b>R1071-3008</b>	500						
	x 10.0	5.5 - 7.0	<b>R1071-3010</b>	500						
	x 14.0	9.5 - 11.5	<b>R1071-3014</b>	500						
3.2	x 6.0	2.5 - 3.5	<b>R1071-3206</b>	500	3,3	6.5	0.80	980	760	
	x 8.0	3.5 - 5.5	<b>R1071-3208</b>	500						
	x 10.0	5.5 - 7.0	<b>R1071-3210</b>	500						
	x 12.0	7.0 - 9.0	<b>R1071-3212</b>	500						
4.0	x 6.0	1.0 - 3.0	<b>R1071-4006</b>	500	4,1	8.0	1.00	1600	1200	
	x 8.0	3.0 - 5.0	<b>R1071-4008</b>	500						
	x 10.0	5.0 - 7.0	<b>R1071-4010</b>	500						
	x 12.0	7.0 - 9.0	<b>R1071-4012</b>	500						
	x 16.0	11.0 - 12.5	<b>R1071-4016</b>	500						
	x 18.0	11.0 - 15.0	<b>R1071-4018</b>	500						
	x 20.0	15.0 - 17.0	<b>R1071-4020</b>	500						
4.8	x 10.0	4.5 - 6.5	<b>R1071-4810</b>	500	4,9	9.5	1.10	2230	1690	
	x 12.0	6.5 - 8.5	<b>R1071-4812</b>	500						
	x 14.0	7.0 - 9.0	<b>R1071-4814</b>	500						
	x 16.0	8.0 - 12.0	<b>R1071-4816</b>	500						
	x 18.0	11.0 - 13.0	<b>R1071-4818</b>	500						
	x 20.0	12.0 - 15.0	<b>R1071-4820</b>	250						
5.0	x 8.0	2.5 - 4.5	<b>R1071-5008</b>	500	5,1	9.5	1.10	2500	2000	
	x 10.0	4.5 - 6.5	<b>R1071-5010</b>	500						
	x 12.0	6.5 - 8.5	<b>R1071-5012</b>	500						
	x 14.0	7.5 - 9.5	<b>R1071-5014</b>	500						
	x 16.0	10.5 - 12.5	<b>R1071-5016</b>	500						
	x 18.0	11.0 - 13.0	<b>R1071-5018</b>	250						
	x 20.0	13.0 - 15.0	<b>R1071-5020</b>	250						
	x 25.0	15.0 - 20.0	<b>R1071-5025</b>	250						
	x 30.0	20.0 - 25.0	<b>R1071-5030</b>	250						







# BLINDNIET



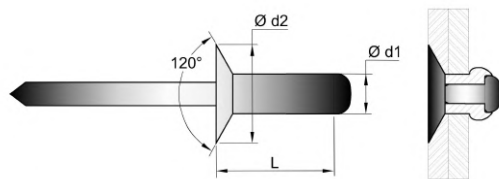
## ALUMINIUM / EDELSTAHL Großkopf

R1072

AlMg 3 / Edelstahl A2

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
5.0	x 8.0	2.5 - 4.0	<b>R1072-5008</b>	250	5,1	14.0	1.60	3100	2150	
	x 10.0	4.0 - 6.0	<b>R1072-5010</b>	250						
	x 12.0	6.0 - 8.0	<b>R1072-5012</b>	250						
	x 14.0	7.0 - 9.0	<b>R1072-5014</b>	250						
	x 16.0	8.0 - 12.0	<b>R1072-5016</b>	250						
	x 18.0	11.0 - 13.0	<b>R1072-5018</b>	250						
	x 20.0	12.0 - 15.0	<b>R1072-5020</b>	250						
	x 25.0	15.0 - 20.0	<b>R1072-5025</b>	250						
	x 25.0	20.0 - 25.0	<b>R1072-5030</b>	250						







# BLINDNIET



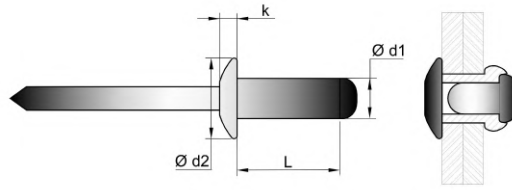
## ALUMINIUM / EDELSTAHL Senkkopf

R1074

AlMg 3,5 / Edelstahl A2

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
4.0	x 6.0	0.0 - 2.0	<b>R1074-4006</b>	500	4,1	7.5	1.30	1800	1250	
	x 8.0	2.0 - 4.0	<b>R1074-4008</b>	500						
	x 10.0	4.0 - 6.0	<b>R1074-4010</b>	500						
4.8	x 8.0	0.0 - 3.5	<b>R1074-4808</b>	500	4,9	9.0	1.50	2600	1850	
	x 10.0	3.5 - 5.5	<b>R1074-4810</b>	500						
	x 12.0	5.5 - 7.5	<b>R1074-4812</b>	500						
	x 14.0	7.5 - 9.5	<b>R1074-4814</b>	500						
	x 16.0	9.0 - 11.0	<b>R1074-4816</b>	500						
	x 18.0	11.0 - 13.0	<b>R1074-4818</b>	500						
	x 20.0	13.0 - 15.0	<b>R1074-4820</b>	500						







# BLINDNIET



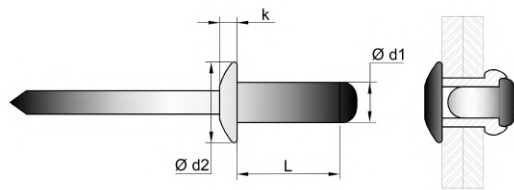
## STAHL / STAHL Flachrundkopf

R1041







Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
<b>3.0</b>	x 6.0	1.5 - 3.0	<b>R1041-3006</b>	500	3,1	6.3	1.00	1100	950	
	x 8.0	3.0 - 5.0	<b>R1041-3008</b>	500						
	x 10.0	5.0 - 7.0	<b>R1041-3010</b>	500						
	x 12.0	7.0 - 9.0	<b>R1041-3012</b>	500						
	x 14.0	9.0 - 11.0	<b>R1041-3014</b>	500						
	x 18.0	10.0 - 14.0	<b>R1041-3018</b>	500						
<b>3.2</b>	x 6.0	1.5 - 3.0	<b>R1041-3206</b>	500	3,3	6.3	1.00	1200	1100	
	x 8.0	3.0 - 5.0	<b>R1041-3208</b>	500						
	x 10.0	5.0 - 7.0	<b>R1041-3210</b>	500						
	x 12.0	7.0 - 9.0	<b>R1041-3212</b>	500						
	x 14.0	9.0 - 11.0	<b>R1041-3214</b>	500						
	x 16.0	11.0 - 13.0	<b>R1041-3216</b>	500						
<b>4.0</b>	x 6.0	0.5 - 2.5	<b>R1041-4006</b>	500	4,1	8.0	1.30	2200	1700	
	x 8.0	2.5 - 4.5	<b>R1041-4008</b>	500						
	x 10.0	4.5 - 6.5	<b>R1041-4010</b>	500						
	x 12.0	6.5 - 8.5	<b>R1041-4012</b>	500						
	x 14.0	8.5 - 10.5	<b>R1041-4014</b>	500						
	x 16.0	10.5 - 12.5	<b>R1041-4016</b>	500						
	x 18.0	12.5 - 14.5	<b>R1041-4018</b>	500						
	x 20.0	14.5 - 16.5	<b>R1041-4020</b>	500						
	x 24.0	17.0 - 19.0	<b>R1041-4024</b>	500						
	x 26.0	19.0 - 21.0	<b>R1041-4026</b>	500						
<b>4.8</b>	x 6.0	1.0 - 2.5	<b>R1041-4806</b>	500	4,9	9.5	1.40	3100	2900	
	x 8.0	2.5 - 4.5	<b>R1041-4808</b>	500						
	x 10.0	4.5 - 6.0	<b>R1041-4810</b>	500						
	x 12.0	6.0 - 8.0	<b>R1041-4812</b>	500						
	x 14.0	8.0 - 10.0	<b>R1041-4814</b>	500						
	x 16.0	10.0 - 11.5	<b>R1041-4816</b>	500						
	x 18.0	11.5 - 13.5	<b>R1041-4818</b>	500						
	x 20.0	13.5 - 15.0	<b>R1041-4820</b>	250						
	x 22.0	15.0 - 17.0	<b>R1041-4822</b>	250						
	x 25.0	17.0 - 20.0	<b>R1041-4825</b>	250						
	x 30.0	23.0 - 26.0	<b>R1041-4830</b>	250						
	x 35.0	25.0 - 30.0	<b>R1041-4835</b>	250						

# BLINDNIET

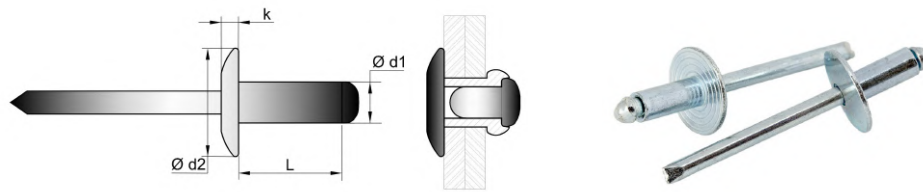


## STAHL / STAHL Flachrundkopf

d1	L		code			d2	k			
mm	mm	mm			Ø mm	mm	mm	N	N	kN
5.0	x 8.0	2.5 - 4.0	<b>R1041-5008</b>	500	5,1	9.5	1.40	4000	3100	
	x 10.0	4.0 - 6.0	<b>R1041-5010</b>	500						
	x 12.0	6.0 - 8.0	<b>R1041-5012</b>	500						
	x 14.0	8.0 - 10.0	<b>R1041-5014</b>	500						
	x 16.0	10.0 - 11.5	<b>R1041-5016</b>	500						
	x 18.0	11.5 - 13.5	<b>R1041-5018</b>	500						
	x 20.0	13.5 - 15.0	<b>R1041-5020</b>	250						
	x 25.0	17.0 - 20.0	<b>R1041-5025</b>	250						
6.0	x 12.0	3.5 - 6.5	<b>R1041-6012</b>	250	6,1	12.0	1.90	4800	4300	
	x 15.0	6.5 - 9.5	<b>R1041-6015</b>	250						
	x 18.0	9.5 - 12.5	<b>R1041-6018</b>	250						
	x 22.0	13.5 - 16.5	<b>R1041-6022</b>	250						
	x 26.0	17.5 - 20.5	<b>R1041-6026</b>	250						
	x 30.0	21.5 - 24.5	<b>R1041-6030</b>	250						
6.4	x 8.0	1.0 - 3.0	<b>R1041-6408</b>	250	6,5	13.0	2.20	5700	4900	
	x 10.0	3.0 - 4.0	<b>R1041-6410</b>	250						
	x 12.0	3.5 - 6.5	<b>R1041-6412</b>	250						
	x 15.0	6.5 - 9.5	<b>R1041-6415</b>	250						
	x 18.0	9.5 - 12.5	<b>R1041-6418</b>	250						
	x 22.0	14.5 - 16.5	<b>R1041-6422</b>	250						
	x 26.0	18.5 - 20.5	<b>R1041-6426</b>	250						
	x 30.0	22.5 - 24.0	<b>R1041-6430</b>	250						









# BLINDNIET



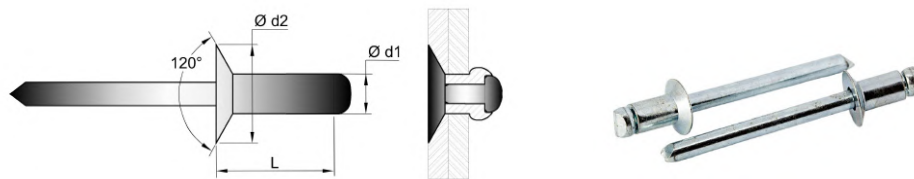
## STAHL / STAHL Großkopf

R1042

Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
4.8	x 10.0	4.0 - 6.0	<b>R1042-4810</b>	250	4,9	14.0	1.60	3100	2900	
	x 12.0	6.0 - 8.0	<b>R1042-4812</b>	250						
	x 14.0	7.0 - 9.0	<b>R1042-4814</b>	250						
	x 16.0	8.0 - 11.0	<b>R1042-4816</b>	250						
	x 18.0	10.0 - 13.0	<b>R1042-4818</b>	250						
	x 20.0	11.0 - 15.0	<b>R1042-4820</b>	250						







# BLINDNIET



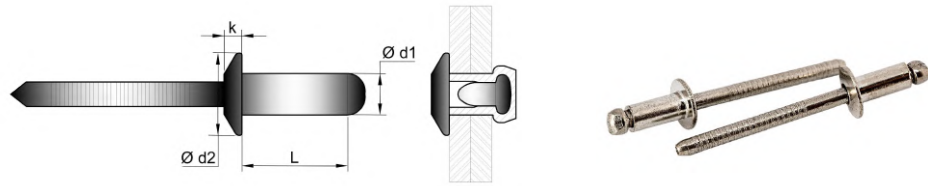
## STAHL / STAHL Senkkopf

R1044

Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
3.0	x 6.0	1.5 - 3.0	<b>R1044-3006</b>	500	3,1	6.0	1.00	1100	950	
	x 8.0	3.0 - 5.0	<b>R1044-3008</b>	500						
	x 10.0	5.0 - 7.0	<b>R1044-3010</b>	500						
3.2	x 6.0	1.5 - 3.0	<b>R1044-3206</b>	500	3,3	6.0	1.00	1200	1100	
	x 8.0	3.0 - 5.0	<b>R1044-3208</b>	500						
	x 10.0	5.0 - 7.0	<b>R1044-3210</b>	500						
	x 12.0	6.5 - 8.0	<b>R1044-3212</b>	500						
	x 14.0	8.0 - 11.0	<b>R1044-3214</b>	500						
4.0	x 6.0	0.5 - 2.5	<b>R1044-4006</b>	500	4,1	7.5	1.30	2200	1700	
	x 8.0	2.5 - 4.5	<b>R1044-4008</b>	500						
	x 10.0	4.5 - 6.5	<b>R1044-4010</b>	500						
	x 12.0	6.5 - 8.5	<b>R1044-4012</b>	500						
4.8	x 8.0	2.5 - 4.5	<b>R1044-4808</b>	500	4,9	9.0	1.50	3100	2900	
	x 10.0	4.5 - 6.0	<b>R1044-4810</b>	500						
	x 12.0	6.0 - 8.0	<b>R1044-4812</b>	500						
	x 14.0	8.0 - 10.0	<b>R1044-4814</b>	500						
	x 16.0	10.0 - 11.5	<b>R1044-4816</b>	500						
	x 18.0	11.5 - 13.5	<b>R1044-4818</b>	500						
	x 20.0	13.5 - 15.5	<b>R1044-4820</b>	500						
	x 22.0	13.0 - 17.0	<b>R1044-4822</b>	250						







# BLINDNIET



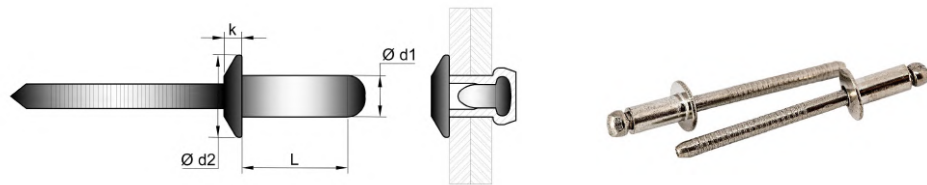
## EDELSTAHL / EDELSTAHL gerillt Flachrundkopf

R1051







Edelstahl A2

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
<b>3.0</b>	x 6.0	1.5 - 2.5	<b>R1051-3006</b>	500	3,1	6.3	1.00	2200	1800	
	x 8.0	2.5 - 4.5	<b>R1051-3008</b>	500						
	x 10.0	4.5 - 6.5	<b>R1051-3010</b>	500						
	x 12.0	6.5 - 8.5	<b>R1051-3012</b>	500						
	x 16.0	9.5 - 12.0	<b>R1051-3016</b>	500						
<b>3.2</b>	x 4.0	0.5 - 1.5	<b>R1051-3204</b>	500	3,3	6.3	1.00	2500	1900	
	x 6.0	1.5 - 2.5	<b>R1051-3206</b>	500						
	x 8.0	2.5 - 4.5	<b>R1051-3208</b>	500						
	x 10.0	4.5 - 6.5	<b>R1051-3210</b>	500						
	x 12.0	6.5 - 8.5	<b>R1051-3212</b>	500						
	x 15.0	8.5 - 12.0	<b>R1051-3215</b>	500						
<b>4.0</b>	x 6.0	0.5 - 2.0	<b>R1051-4006</b>	500	4,1	8.0	1.30	3500	2700	
	x 8.0	2.0 - 4.0	<b>R1051-4008</b>	500						
	x 10.0	4.0 - 6.0	<b>R1051-4010</b>	500						
	x 13.0	7.0 - 9.0	<b>R1051-4013</b>	500						
	x 16.0	10.0 - 12.0	<b>R1051-4016</b>	500						
	x 18.0	12.0 - 14.0	<b>R1051-4018</b>	500						
	x 20.0	14.0 - 16.0	<b>R1051-4020</b>	500						
<b>4.8</b>	x 8.0	1.5 - 3.0	<b>R1051-4808</b>	500	4,9	9.5	1.40	5000	4000	
	x 10.0	3.0 - 5.0	<b>R1051-4810</b>	500						
	x 12.0	5.0 - 7.0	<b>R1051-4812</b>	500						
	x 14.0	7.0 - 9.0	<b>R1051-4814</b>	500						
	x 16.0	9.0 - 11.0	<b>R1051-4816</b>	500						
	x 18.0	11.0 - 13.0	<b>R1051-4818</b>	500						
	x 20.0	13.0 - 15.0	<b>R1051-4820</b>	250						
	x 22.0	15.0 - 17.0	<b>R1051-4822</b>	250						
	x 25.0	17.0 - 20.0	<b>R1051-4825</b>	250						
	x 27.0	18.0 - 22.0	<b>R1051-4827</b>	250						
	x 30.0	21.0 - 25.0	<b>R1051-4830</b>	250						
<b>5.0</b>	x 8.0	1.5 - 3.0	<b>R1051-5008</b>	500	5,1	9.5	1.40	5800	4700	
	x 10.0	3.0 - 5.0	<b>R1051-5010</b>	500						
	x 12.0	5.0 - 7.0	<b>R1051-5012</b>	500						
	x 16.0	9.0 - 11.0	<b>R1051-5016</b>	500						
	x 18.0	11.0 - 13.0	<b>R1051-5018</b>	500						

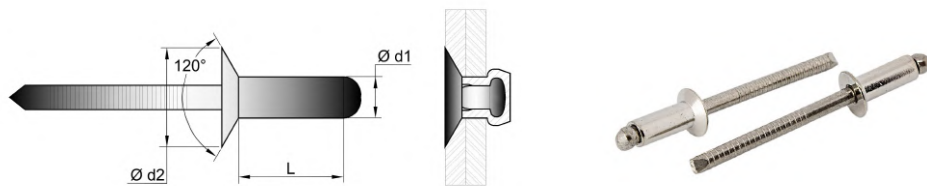
# BLINDNIET



## EDELSTAHL / EDELSTAHL gerillt Flachrundkopf

d1	L		code			d2	k			
mm	mm	mm			Ø mm	mm	mm	N	N	kN
6.0	x 12.0	4.0 - 6.0	<b>R1051-6012</b>	250	6,1	12.0	2.00	8830	6500	
	x 15.0	6.0 - 9.0	<b>R1051-6015</b>	250						
	x 18.0	9.0 - 12.0	<b>R1051-6018</b>	250						
	x 20.0	11.0 - 14.0	<b>R1051-6020</b>	250						
	x 22.0	14.0 - 16.0	<b>R1051-6022</b>	250						
	x 25.0	16.0 - 18.5	<b>R1051-6025</b>	250						
6.4	x 12.0	4.5 - 6.5	<b>R1051-6412</b>	250	6,5	13.0	2.20	9300	7500	
	x 15.0	6.5 - 9.5	<b>R1051-6415</b>	250						
	x 15.0	6.5 - 9.5	<b>R1051-6415</b>	250						
	x 18.0	9.0 - 12.5	<b>R1051-6418</b>	250						
	x 20.0	11.5 - 14.5	<b>R1051-6420</b>	250						
	x 22.0	13.5 - 15.5	<b>R1051-6422</b>	250						
	x 25.0	17.0 - 20.0	<b>R1051-6425</b>	250						







# BLINDNIET



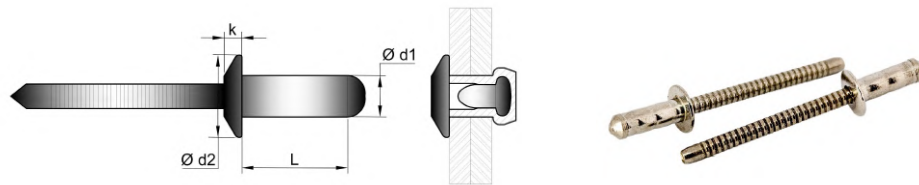
## EDELSTAHL / EDELSTAHL gerillt Senkkopf

R1054

Edelstahl A2

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
3.0	x 6.0	1.5 - 3.0	<b>R1054-3006</b>	500	3,1	6.0	1.10	2200	1800	
	x 8.0	3.0 - 5.0	<b>R1054-3008</b>	500						
	x 10.0	5.0 - 6.5	<b>R1054-3010</b>	500						
	x 12.0	6.5 - 8.5	<b>R1054-3012</b>	500						
3.2	x 6.0	1.5 - 3.0	<b>R1054-3206</b>	500	3,3	6.0	1.10	2500	1900	
	x 8.0	3.0 - 5.0	<b>R1054-3208</b>	500						
	x 10.0	5.0 - 6.5	<b>R1054-3210</b>	500						
	x 12.0	6.5 - 8.5	<b>R1054-3212</b>	500						
4.0	x 6.0	0.5 - 2.0	<b>R1054-4006</b>	500	4,1	7.5	1.40	3500	2700	
	x 8.0	2.0 - 4.0	<b>R1054-4008</b>	500						
	x 10.0	4.0 - 6.0	<b>R1054-4010</b>	500						
	x 12.0	6.0 - 8.0	<b>R1054-4012</b>	500						
	x 16.0	9.5 - 12.0	<b>R1054-4016</b>	500						
4.8	x 8.0	1.5 - 3.0	<b>R1054-4808</b>	500	4,9	9.0	1.60	5000	4000	
	x 10.0	3.0 - 5.0	<b>R1054-4810</b>	500						
	x 12.0	5.0 - 7.0	<b>R1054-4812</b>	500						
	x 14.0	8.0 - 9.5	<b>R1054-4814</b>	500						
	x 16.0	9.5 - 11.0	<b>R1054-4816</b>	500						
	x 18.0	11.0 - 13.0	<b>R1054-4818</b>	500						
	x 21.0	14.0 - 16.0	<b>R1054-4821</b>	250						
	x 25.0	18.0 - 20.0	<b>R1054-4825</b>	250						







# BLINDNIET



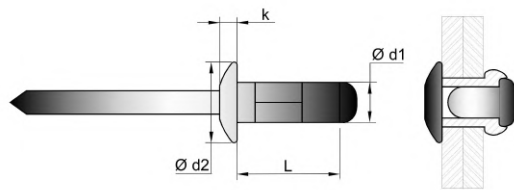
## EDELSTAHL A4 / EDELSTAHL A4 gerillt Flachrundkopf

R1541

Edelstahl A4

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
3.0	x 6.0	0.5 - 3.0	<b>R1541-3006</b>	500	3,1	6.3	1.00	2200	1800	
	x 8.0	3.0 - 5.0	<b>R1541-3008</b>	500						
	x 10.0	5.0 - 6.5	<b>R1541-3010</b>	500						
3.2	x 6.0	0.5 - 3.0	<b>R1541-3206</b>	500	3,3	6.3	1.00	2500	1900	
	x 8.0	3.0 - 5.0	<b>R1541-3208</b>	500						
	x 10.0	5.0 - 6.5	<b>R1541-3210</b>	500						
	x 12.0	6.5 - 8.5	<b>R1541-3212</b>	500						
4.0	x 6.0	1.0 - 2.5	<b>R1541-4006</b>	500	4,1	8.0	1.30	3500	2700	
	x 8.0	2.5 - 4.5	<b>R1541-4008</b>	500						
	x 10.0	4.5 - 6.5	<b>R1541-4010</b>	500						
	x 13.0	6.5 - 9.5	<b>R1541-4013</b>	500						
	x 16.0	10.0 - 12.0	<b>R1541-4016</b>	500						
4.8	x 8.0	2.0 - 4.0	<b>R1541-4808</b>	500	4,9	9.5	1.40	5000	4000	
	x 10.0	4.0 - 6.0	<b>R1541-4810</b>	500						
	x 12.0	6.0 - 8.0	<b>R1541-4812</b>	500						
	x 14.0	7.5 - 9.5	<b>R1541-4814</b>	500						
	x 16.0	8.0 - 11.0	<b>R1541-4816</b>	500						
	x 18.0	11.0 - 13.0	<b>R1541-4818</b>	500						







# MEHRBEREICHSNIET



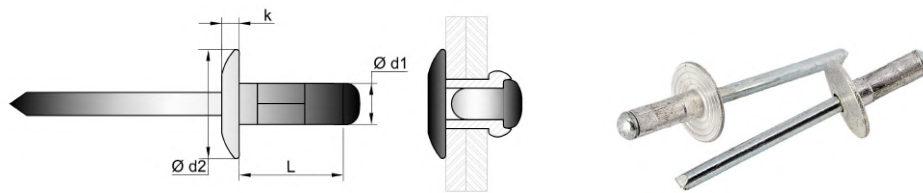
## ALUMINIUM / STAHL Flachrundkopf

R1001

AlMg 2,5 / Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
<b>3.0</b>	x 6.0	0.5 - 3.0	<b>R1001-3006</b>	500	3,1 - 3,2	6.0	1.00	654	522	
	x 8.0	0.5 - 5.0	<b>R1001-3008</b>	500						
	x 10.0	2.5 - 7.0	<b>R1001-3010</b>	500						
	x 12.0	4.5 - 9.0	<b>R1001-3012</b>	500						
<b>3.2</b>	x 6.0	0.5 - 3.0	<b>R1001-3206</b>	500	3,3 - 3,4	6.0	1.00	980	680	
	x 8.0	0.5 - 5.0	<b>R1001-3208</b>	500						
	x 9.5	2.0 - 6.5	<b>R1001-3209</b>	500						
	x 10.0	2.5 - 7.0	<b>R1001-3210</b>	500						
	x 11.0	3.5 - 8.0	<b>R1001-3211</b>	500						
	x 12.0	4.5 - 9.0	<b>R1001-3212</b>	500						
<b>4.0</b>	x 6.0	0.5 - 2.5	<b>R1001-4006</b>	500	4,1 - 4,2	8.0	1.30	1600	1150	
	x 8.0	0.5 - 4.5	<b>R1001-4008</b>	500						
	x 9.5	1.0 - 6.0	<b>R1001-4009</b>	500						
	x 10.0	1.5 - 6.5	<b>R1001-4010</b>	500						
	x 12.0	3.5 - 8.5	<b>R1001-4012</b>	500						
	x 12.7	4.0 - 9.5	<b>R1001-4013</b>	500						
	x 14.0	5.5 - 10.5	<b>R1001-4014</b>	500						
	x 16.0	7.5 - 12.5	<b>R1001-4016</b>	500						
x 17.0	8.5 - 13.5	<b>R1001-4017</b>	500							
<b>4.8</b>	x 10.3	0.5 - 5.5	<b>R1001-4811</b>	500	4,9 - 5,0	9.5	1.50	2350	1500	
	x 12.0	2.0 - 7.0	<b>R1001-4812</b>	500						
	x 14.0	4.0 - 9.0	<b>R1001-4814</b>	500						
	x 15.1	5.0 - 10.5	<b>R1001-4815</b>	500						
	x 16.0	6.0 - 11.0	<b>R1001-4816</b>	500						
	x 17.0	7.0 - 12.0	<b>R1001-4817</b>	500						
	x 18.0	8.0 - 13.0	<b>R1001-4818</b>	500						
	x 20.0	10.0 - 15.0	<b>R1001-4820</b>	250						
	x 25.0	14.5 - 19.5	<b>R1001-4825</b>	250						







# MEHRBEREICHSNIET



## ALUMINIUM / STAHL Großkopf

R1002







AlMg 2,5 / Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
3.2	x 8.0	0.5 - 5.0	<b>R1002-3208</b>	500	3,3 - 3,4	9.5	1.20	980	680	
	x 10.0	2.5 - 7.0	<b>R1002-3210</b>	500						
4.0	x 8.0	0.5 - 4.5	<b>R1002-4008</b>	500	4,1 - 4,2	12.0	1.50	1600	1150	
	x 10.0	1.5 - 6.5	<b>R1002-4010</b>	500						
	x 12.7	4.0 - 9.5	<b>R1002-4013</b>	500						
4.8	x 10.0	0.5 - 5.0	<b>R1002-4810</b>	500	4,9 - 5,0	14.0	1.60	2350	1500	
	x 12.0	2.0 - 7.0	<b>R1002-4812</b>	500						

## ALUMINIUM / STAHL Großkopf K16

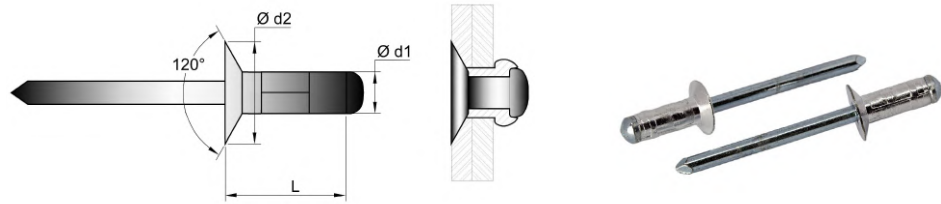
R1003

AlMg 2,5 / Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
4.8	x 10.3	0.5 - 5.5	<b>R1003-4811</b>	250	4,9 - 5,0	16.0	1.80	2350	1500	
	x 17.0	7.0 - 12.0	<b>R1003-4817</b>	250						
	x 24.8	14.5 - 19.5	<b>R1003-4825</b>	250						









# MEHRBEREICHSNIET



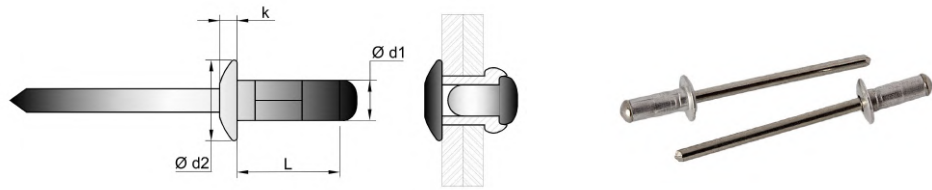
## ALUMINIUM / STAHL Senkkopf

R1004

AlMg 2,5 / Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
4.0	x 8.0	1.6 - 4.5	<b>R1004-4008</b>	500	4,1 - 4,2	7.5	1.30	1600	1150	
4.8	x 12.0	2.0 - 7.0	<b>R1004-4812</b>	500	4,9 - 5,0	9.0	1.50	2350	1500	
	x 16.9	7.0 - 12.0	<b>R1004-4817</b>	500						







# MEHRBEREICHSNIET



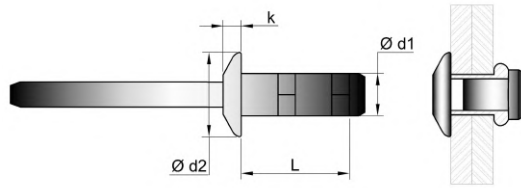
## ALUMINIUM / EDELSTAHL Flachrundkopf

R1441

AlMg 2,5 / AISI 302/304

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
3.2	x 8.0	0.5 - 5.0	<b>R1441-3208</b>	500	3,3 - 3,4	6.3	1.00	980	680	
	x 9.5	2.0 - 6.5	<b>R1441-3209</b>	500						
	x 11.1	3.5 - 8.0	<b>R1441-3211</b>	500						
4.0	x 9.5	1.0 - 6.0	<b>R1441-4009</b>	500	4,1 - 4,2	8.0	1.20	1600	1150	
	x 12.7	4.0 - 9.5	<b>R1441-4012</b>	500						
4.8	x 10.3	0.5 - 5.5	<b>R1441-4810</b>	500	4,9 - 5,0	9.5	1.45	2350	1500	
	x 15.1	5.0 - 10.5	<b>R1441-4815</b>	500						
	x 16.9	7.0 - 12.0	<b>R1441-4816</b>	250						
	x 24.8	14.5 - 19.5	<b>R1441-4824</b>	250						







# MEHRBEREICHSNIET



## STAHL / STAHL Flachrundkopf

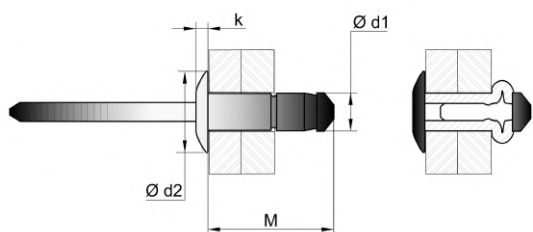
R1461

Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
4.0	x 10.8	1.5 - 5.0	<b>R1461-4010</b>	500	4,1 - 4,2	8.1	1.40	2090	1650	
	x 12.5	3.0 - 7.0	<b>R1461-4012</b>	500						
	x 15.0	5.5 - 8.5	<b>R1461-4015</b>	500						
4.8	x 10.2	1.5 - 5.0	<b>R1461-4810</b>	500	4,9 - 5,0	9.6	1.50	2900	2600	
	x 12.7	1.0 - 7.5	<b>R1461-4812</b>	500						
	x 17.5	6.3 - 12.7	<b>R1461-4817</b>	500						

# MEHRBEREICHSNIET







sehr hohe Festigkeitswerte!



## STAHL / STAHL Flachrundkopf

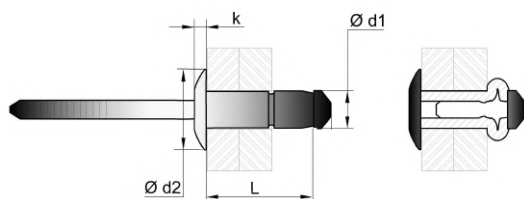
AVIBULB BN01

Stahl verzinkt

d1	M		code		 Ø mm	d2	k			
mm	mm	mm				mm	mm	N	N	kN
3.2	x 9.1	1.0 - 3.0	<b>BN01-0408</b>	8.000	3,3 - 3,4	6.8	1.40	1300	1200	
	x 11.7	3.0 - 5.0	<b>BN01-0411</b>	8.000				1300	1700	
	x 14.0	5.0 - 7.0	<b>BN01-0414</b>	6.000				1300	2500	
4.0	x 10.4	1.0 - 3.0	<b>BN01-0509</b>	5.000	4,1 - 4,2	8.0	1.40	2800	2400	
	x 12.9	3.0 - 5.0	<b>BN01-0512</b>	5.000				2800	3500	
	x 15.7	5.0 - 7.0	<b>BN01-0516</b>	5.000				2800	4100	
4.8	x 12.1	1.5 - 3.5	<b>BN01-0611</b>	3.000	4,9 - 5,1	9.6	1.50	3800	3600	
	x 14.7	3.5 - 6.0	<b>BN01-0614</b>	3.000				3800	4200	
	x 17.6	6.0 - 8.5	<b>BN01-0618</b>	3.000				3800	5600	
6.4	x 17.3	1.5 - 5.5	<b>BN01-0816</b>	1.000	6,6 - 7,0	13.4	3.10	6800	11100	
	x 21.3	5.0 - 9.0	<b>BN01-0820</b>	1.000				6800	11100	
6.0	x 14.0	1.5 - 4.0	<b>BN01-6010</b>	2.000	6,1 - 6,3	12.3	2.10	5400	4200	
	x 17.0	3.0 - 6.0	<b>BN01-6013</b>	1.000				5400	5400	
	x 20.0	6.0 - 9.0	<b>BN01-6016</b>	1.000				5400	8500	

# MEHRBEREICHSNIET







sehr hohe Festigkeitswerte!



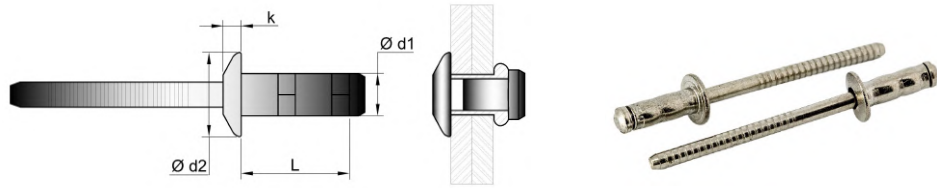
## STAHL / STAHL Flachrundkopf

MASTERBULB R1621

Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
3.2	x 6.5	1.0 - 3.0	<b>R1621-3207</b>	8.000	3,3 - 3,4	6.3	1.00	1200	1750	
	x 9.0	3.0 - 5.0	<b>R1621-3209</b>	6.000				1200	1750	
	x 11.5	5.0 - 7.0	<b>R1621-3211</b>	7.000				1200	1750	
4.0	x 7.5	1.0 - 3.0	<b>R1621-4008</b>	5.000	4,1 - 4,2	8.0	1.30	2800	3500	
	x 9.5	3.0 - 5.0	<b>R1621-4010</b>	4.500				2800	3500	
	x 12.5	5.0 - 7.0	<b>R1621-4012</b>	4.000				2800	3500	
4.8	x 9.0	1.5 - 3.5	<b>R1621-4809</b>	3.000	4,9 - 5,1	9.5	1.50	3800	3600	
	x 11.5	3.5 - 6.0	<b>R1621-4812</b>	3.000				3800	4200	
	x 14.5	6.0 - 8.5	<b>R1621-4814</b>	2.500				3800	5600	







# MEHRBEREICHSNIET



## EDELSTAHL / EDELSTAHL gerillt Flachrundkopf

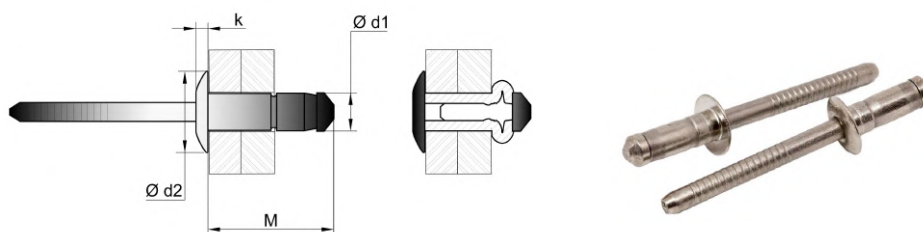
R1451

Edelstahl AISI 302/304

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
4.0	x 10.0	1.5 - 5.0	<b>R1451-4010</b>	500	4,1 - 4,2	8.0	1.30	3200	2400	
	x 12.0	3.5 - 7.0	<b>R1451-4012</b>	500						
	x 15.0	6.0 - 9.5	<b>R1451-4015</b>	500						
4.8	x 10.0	1.5 - 5.0	<b>R1451-4810</b>	500	4,9 - 5,0	9.6	1.60	4500	4100	
	x 12.0	3.0 - 7.0	<b>R1451-4812</b>	500						
	x 15.0	6.5 - 10.0	<b>R1451-4815</b>	500						
	x 17.5	9.0 - 12.5	<b>R1451-4817</b>	500						

# MEHRBEREICHSNIET







sehr hohe Festigkeitswerte!



## EDELSTAHL / EDELSTAHL gerillt Flachrundkopf

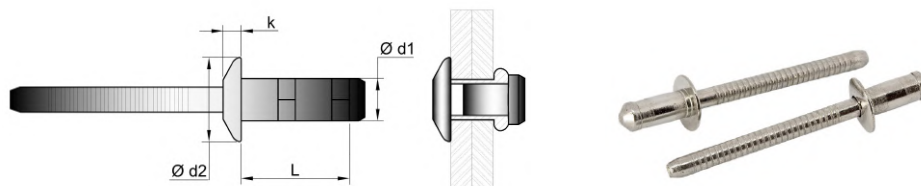
AVINOX BE61

Edelstahl A2

d1	M		code		 Ø mm	d2	k			
	mm	mm				mm	mm	N	N	kN
3.2	x 9.0	1.0 - 3.0	<b>BE61-0408</b>	8.000	3,3 - 3,4	6.6	1.10	2000	1600	
	x 11.5	3.0 - 5.0	<b>BE61-0411</b>	8.000				2000	1700	
	x 14.1	5.0 - 7.0	<b>BE61-0414</b>	6.000				2000	3200	
4.0	x 10.3	1.0 - 3.0	<b>BE61-0509</b>	5.000	4,1 - 4,2	8.0	1.50	4000	2800	
	x 12.9	3.0 - 5.0	<b>BE61-0512</b>	5.000				4000	5200	
	x 15.6	5.0 - 7.0	<b>BE61-0516</b>	5.000				4000	5200	
4.8	x 12.8	1.5 - 3.5	<b>BE61-0611</b>	3.000	4,9 - 5,1	9.6	1.50	5000	5500	
	x 15.4	3.5 - 6.0	<b>BE61-0614</b>	3.000				5000	5500	
	x 18.4	6.0 - 8.5	<b>BE61-0618</b>	3.000				5000	5500	
6.4	x 16.8	1.5 - 5.5	<b>BE61-0815</b>	1.000	6,6 - 7,0	13.4	3.10	8000	14300	
	x 20.8	5.0 - 9.0	<b>BE61-0819</b>	1.000				8000	14300	

# MEHRBEREICHSNIET







sehr hohe Festigkeitswerte!



## EDELSTAHL / EDELSTAHL gerillt Flachrundkopf

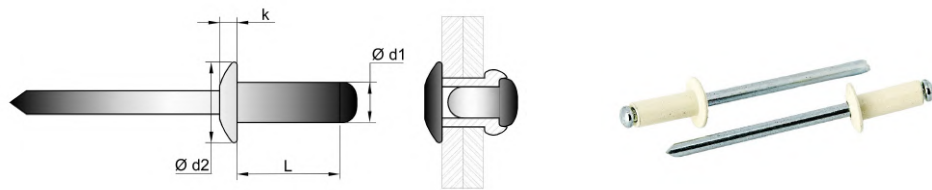
MASTERBULB R1611

Edelstahl A2







d1	L		code		 Ø mm	d2	k	 N	 N	 kN
	mm	mm				mm	mm			
3.2	x 6.5	1.0 - 3.0	<b>R1611-3207</b>	8.000	3,3 - 3,4	6.3	1.00	2000	1600	
	x 9.0	3.0 - 5.0	<b>R1611-3209</b>	7.000				2000	1700	
	x 11.5	5.0 - 7.0	<b>R1611-3211</b>	7.000				2000	3200	
4.0	x 7.5	1.0 - 3.0	<b>R1611-4008</b>	5.000	4,1 - 4,2	8.0	1.30	4000	2800	
	x 9.5	3.0 - 5.0	<b>R1611-4010</b>	5.000				4000	5200	
	x 12.5	5.0 - 7.0	<b>R1611-4012</b>	4.000				4000	5200	
4.8	x 9.0	1.5 - 3.5	<b>R1611-4809</b>	3.000	4,9 - 5,1	9.5	1.50	5000	5500	
	x 11.5	3.5 - 6.0	<b>R1611-4812</b>	3.000				5000	5500	
	x 14.5	6.0 - 8.5	<b>R1611-4814</b>	2.500				5000	5500	



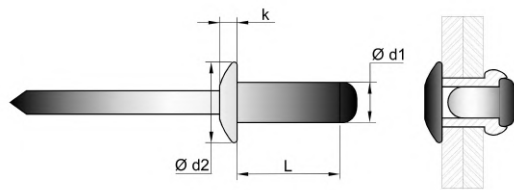
# BLINDNIET IN RAL9010 REINWEISS









## ALUMINIUM / STAHL Flachrundkopf

d1	L		code		 Ø mm	d2	k			
	mm	mm				mm	mm	N	N	kN
3.2	x 8.0	3.5 - 5.5	<b>R1131-3208</b>	500	3,3	6.5	0.80	980	760	
	x 10.0	5.5 - 7.5	<b>R1131-3210</b>	500						
	x 12.0	7.5 - 9.5	<b>R1131-3212</b>	500						
4.0	x 8.0	3.0 - 5.0	<b>R1131-4008</b>	500	4,1	8.0	1.00	1600	1200	
	x 10.0	5.0 - 6.5	<b>R1131-4010</b>	500						
	x 12.0	6.5 - 8.5	<b>R1131-4012</b>	500						
	x 14.0	8.5 - 10.5	<b>R1131-4014</b>	500						
	x 16.0	10.5 - 12.5	<b>R1131-4016</b>	500						
4.8	x 10.0	4.5 - 6.0	<b>R1131-4810</b>	500	4,9	9.5	1.10	2230	1690	
	x 12.0	6.0 - 8.0	<b>R1131-4812</b>	500						
	x 16.0	10.0 - 12.0	<b>R1131-4816</b>	500						

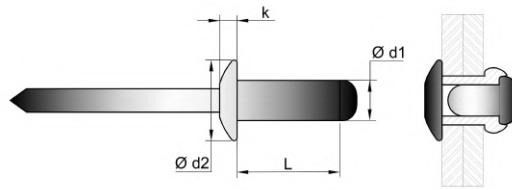
# BLINDNIET IN RAL9005 TIEFSCHWARZ









## ALUMINIUM / STAHL Flachrundkopf

d1	L mm	 mm	code		 Ø mm	d2 mm	k mm	 N	 N	 kN
3.0	x 6.0	1.5 - 3.5	<b>R1121-3006</b>	500	3,1	6.5	0.80	810	620	
3.2	x 8.0	3.5 - 5.5	<b>R1121-3208</b>	500	3,3	6.5	0.80	980	760	
	x 10.0	5.5 - 7.5	<b>R1121-3210</b>	500						
	x 12.0	7.5 - 9.5	<b>R1121-3212</b>	500						
4.0	x 6.0	1.5 - 3.0	<b>R1121-4006</b>	500	4,1	8.0	1.00	1600	1200	
	x 8.0	3.0 - 5.0	<b>R1121-4008</b>	500						
	x 10.0	5.0 - 6.5	<b>R1121-4010</b>	500						
	x 12.0	6.5 - 8.5	<b>R1121-4012</b>	500						
	x 14.0	8.5 - 10.5	<b>R1121-4014</b>	500						
	x 16.0	10.5 - 12.5	<b>R1121-4016</b>	500						
4.8	x 10.0	4.5 - 6.0	<b>R1121-4810</b>	500	4,9	9.5	1.10	2230	1690	
	x 12.0	6.0 - 8.0	<b>R1121-4812</b>	500						
	x 14.0	8.0 - 10.0	<b>R1121-4814</b>	500						
	x 16.0	10.0 - 12.0	<b>R1121-4816</b>	500						

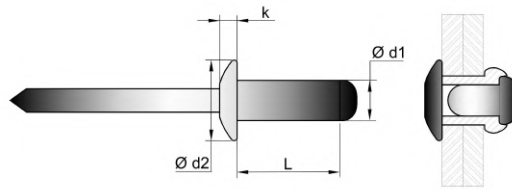
# MEHRBEREICHSNIET IN RAL9010 REINWEISS









## ALUMINIUM / STAHL Flachrundkopf

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
3.2	x 6.0	0.5 - 3.0	<b>R1171-3206</b>	500	3,3 - 3,4	6.0	1.00	980	680	
	x 8.0	0.5 - 5.0	<b>R1171-3208</b>	500						
4.0	x 8.0	0.5 - 4.5	<b>R1171-4008</b>	500	4,1 - 4,2	8.0	1.30	1600	1150	
	x 9.5	1.5 - 6.5	<b>R1171-4010</b>	500						
	x 12.0	3.5 - 8.5	<b>R1171-4012</b>	500						
	x 14.0	5.5 - 10.5	<b>R1171-4014</b>	500						
4.8	x 10.3	0.5 - 5.5	<b>R1171-4811</b>	500	4,9 - 5,0	9.5	1.50	2350	1500	
	x 12.0	2.0 - 8.0	<b>R1171-4812</b>	500						
	x 15.1	5.0 - 10.5	<b>R1171-4815</b>	500						
	x 16.0	6.0 - 11.0	<b>R1171-4816</b>	500						

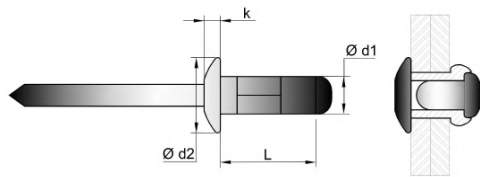
# MEHRBEREICHSNIET IN RAL9005 TIEFSCHWARZ









## ALUMINIUM / STAHL Flachrundkopf

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
3.2	x 6.0	0.5 - 3.0	<b>R1181-3206</b>	500	3,3 - 3,4	6.0	1.00	980	680	
	x 8.0	0.5 - 5.0	<b>R1181-3208</b>	500						
	x 10.0	2.5 - 7.0	<b>R1181-3210</b>	500						
	x 12.0	4.5 - 9.0	<b>R1181-3212</b>	500						
4.0	x 8.0	0.5 - 4.5	<b>R1181-4008</b>	500	4,1 - 4,2	8.0	1.30	1600	1150	
	x 9.5	1.0 - 6.0	<b>R1181-4009</b>	500						
	x 10.0	1.5 - 6.5	<b>R1181-4010</b>	500						
	x 12.0	3.5 - 8.5	<b>R1181-4012</b>	500						
	x 12.7	4.0 - 9.5	<b>R1181-4013</b>	500						
	x 14.0	5.5 - 10.5	<b>R1181-4014</b>	500						
4.8	x 10.3	0.5 - 5.5	<b>R1181-4811</b>	500	4,9 - 5,0	9.5	1.50	2350	1500	
	x 12.0	2.0 - 7.0	<b>R1181-4812</b>	500						
	x 15.1	5.0 - 10.5	<b>R1181-4815</b>	500						
	x 16.0	6.0 - 11.0	<b>R1181-4816</b>	500						

# MEHRBEREICHSNIET IN RAL-FARBEN



## ALUMINIUM / EDELSTAHL Flachrundkopf







d1	L		code			d2	k			
mm	mm	mm			Ø mm	mm	mm	N	N	kN

3.2

x 8.0	0.5 - 5.0	<b>S1441-3208PB</b> Prefa Braun	1.000	3,3 - 3,4	6.0	1.00	980	680
x 8.0	0.5 - 5.0	<b>S1441-3208PHG</b> Prefa Hellgrau	1.000					
x 8.0	0.5 - 5.0	<b>S1441-3208PW</b> Prefa Weiß	1.000					
x 8.0	0.5 - 5.0	<b>S1441-3208R3009</b> Oxydrot	1.000					
x 8.0	0.5 - 5.0	<b>S1441-3208R6005</b> Prefa Grün	1.000					
x 8.0	0.5 - 5.0	<b>S1441-3208R7016</b> Anthrazit	1.000					
x 8.0	0.5 - 5.0	<b>S1441-3208R7022</b> Umbragrau	1.000					
x 8.0	0.5 - 5.0	<b>S1441-3208R7037</b> Staubgrau	1.000					
x 8.0	0.5 - 5.0	<b>S1441-3208R7042</b> Oxydrot	1.000					
x 8.0	0.5 - 5.0	<b>S1441-3208R7043</b> Verkehrsgrau	1.000					
x 8.0	0.5 - 5.0	<b>S1441-3208R8004</b> Kupferbraun	1.000					
x 8.0	0.5 - 5.0	<b>S1441-3208R8019</b> Testa di Moro	1.000					
x 8.0	0.5 - 5.0	<b>S1441-3208R9005</b> Tiefschwarz	1.000					
x 8.0	0.5 - 5.0	<b>S1441-3208R9006</b> Weißaluminium	1.000					
x 8.0	0.5 - 5.0	<b>S1441-3208R9007</b> Graualuminium	1.000					
x 11.0	3.0 - 8.0	<b>S1441-3211PB</b> Prefa Braun	1.000					
x 11.0	3.0 - 8.0	<b>S1441-3211PHG</b> Prefa Hellgrau	1.000					
x 11.0	3.0 - 8.0	<b>S1441-3211R3009</b> Oxydrot	1.000					
x 11.0	3.0 - 8.0	<b>S1441-3211R6005</b> Moosgrün	1.000					
x 11.0	3.0 - 8.0	<b>S1441-3211R7005</b> Prefa Hellgrau	1.000					
x 11.0	3.0 - 8.0	<b>S1441-3211R7016</b> Anthrazit	1.000					
x 11.0	3.0 - 8.0	<b>S1441-3211R7037</b> Staubgrau	1.000					
x 11.0	3.0 - 8.0	<b>S1441-3211R7042</b> Oxydrot	1.000					

# MEHRBEREICHSNIET IN RAL-FARBEN

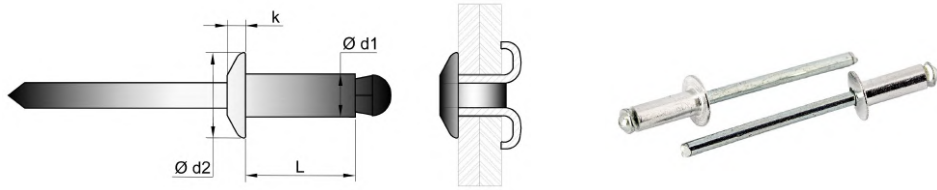
## ALUMINIUM / EDELSTAHL Flachrundkopf

d1	L		code			d2	k			
mm	mm	mm			Ø mm	mm	mm	N	N	kN

3.2	x 11.0	3.0 - 8.0	<b>S1441-3211R8004</b> Kupferbraun	1.000	3,3 - 3,4	6.0	1.00	980	680
	x 11.0	3.0 - 8.0	<b>S1441-3211R8019</b> Testa di Moro	1.000					
	x 11.0	3.0 - 8.0	<b>S1441-3211R9002</b> Grauweiß	1.000					
	x 11.0	3.0 - 8.0	<b>S1441-3211R9006</b> Weißaluminium	1.000					
	x 11.0	3.0 - 8.0	<b>S1441-3211R9007</b> Graualuminium	1.000					
	x 11.0	3.0 - 8.0	<b>S1441-3211R9010</b> Reinweiss	1.000					

4.0	x 9.5	1.0 - 6.0	<b>S1441-4009PB</b> Prefa Braun	1.000	4,1 - 4,2	8.0	1.20	1600	1150
	x 9.5	1.0 - 6.0	<b>S1441-4009PHG</b> Prefa Hellgrau	1.000					
	x 9.5	1.0 - 6.0	<b>S1441-4009PW</b> Prefa Weiß	1.000					
	x 9.5	1.0 - 6.0	<b>S1441-4009PZG</b> Prefa Zinkgrau	1.000					
	x 9.5	1.0 - 6.0	<b>S1441-4009R3009</b> Oxydrot	1.000					
	x 9.5	1.0 - 6.0	<b>S1441-4009R6005</b> Prefa Grün	1.000					
	x 9.5	1.0 - 6.0	<b>S1441-4009R7016</b> Anthrazit	1.000					
	x 9.5	1.0 - 6.0	<b>S1441-4009R7022</b> Umbragrau	1.000					
	x 9.5	1.0 - 6.0	<b>S1441-4009R7030</b> Steingrau	1.000					
	x 9.5	1.0 - 6.0	<b>S1441-4009R7037</b> Staubgrau	1.000					
	x 9.5	1.0 - 6.0	<b>S1441-4009R7043</b> Verkehrsgrau	1.000					
	x 9.5	1.0 - 6.0	<b>S1441-4009R8004</b> Kupferbraun	1.000					
	x 9.5	1.0 - 6.0	<b>S1441-4009R8019</b> Testa di Moro	1.000					
	x 9.5	1.0 - 6.0	<b>S1441-4009R9005</b> Tiefschwarz	1.000					
	x 9.5	1.0 - 6.0	<b>S1441-4009R9006</b> Weißaluminium	1.000					
	x 9.5	1.0 - 6.0	<b>S1441-4009R9007</b> Graualuminium	1.000					
	x 9.5	1.0 - 6.0	<b>S1441-4009R9010</b> Reinweiß	1.000					
	x 9.5	1.0 - 6.0	<b>S1441-4009RB</b> Rotbraun	1.000					
	x 12.7	4.0 - 9.5	<b>S1441-4012R7016</b> Anthrazit	1.000					
	x 12.7	4.0 - 9.5	<b>S1441-4012R9002</b> Grauweiß	1.000					
	x 12.7	4.0 - 9.5	<b>S1441-4012R9006</b> Weißaluminium	1.000					







# SPREIZNIET



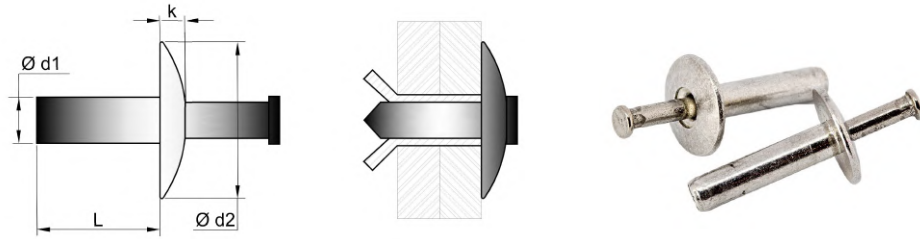
## ALUMINIUM / STAHL Flachrundkopf

R1301

AlMg 5 / Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
3.2	x 10.0	1.0 - 3.0	<b>R1301-3210</b>	500	3,6 - 3,7	6.3	1.00	700	765	
	x 12.0	3.0 - 5.0	<b>R1301-3212</b>	500						
	x 16.0	7.0 - 9.0	<b>R1301-3216</b>	500						
4.0	x 10.0	1.5 - 5.0	<b>R1301-4010</b>	500	4,4 - 4,5	8.0	1.20	1150	1260	
	x 12.0	4.0 - 6.0	<b>R1301-4012</b>	500						
	x 14.0	6.0 - 9.0	<b>R1301-4014</b>	500						
	x 16.0	8.0 - 11.0	<b>R1301-4016</b>	500						
	x 18.0	10.0 - 13.0	<b>R1301-4018</b>	500						
	x 20.0	12.0 - 15.0	<b>R1301-4020</b>	500						
	x 25.0	13.0 - 18.0	<b>R1301-4025</b>	500						
	x 30.0	20.0 - 25.0	<b>R1301-4030</b>	250						
4.8	x 10.0	1.5 - 4.0	<b>R1301-4810</b>	500	5,2 - 5,3	9.5	1.40	1600	1690	
	x 12.0	2.0 - 6.0	<b>R1301-4812</b>	500						
	x 14.0	4.0 - 8.0	<b>R1301-4814</b>	500						
	x 16.0	6.0 - 10.0	<b>R1301-4816</b>	500						
	x 18.0	8.0 - 12.0	<b>R1301-4818</b>	500						
	x 20.0	10.0 - 14.0	<b>R1301-4820</b>	500						
	x 22.0	12.0 - 16.0	<b>R1301-4822</b>	250						
	x 25.0	16.0 - 19.0	<b>R1301-4825</b>	250						
	x 30.0	19.0 - 24.0	<b>R1301-4830</b>	250						
	x 35.0	24.0 - 29.0	<b>R1301-4835</b>	250						
	x 40.0	29.0 - 34.0	<b>R1301-4840</b>	250						







# HAMMERSCHLAGNIET



## ALUMINIUM / EDELSTAHL Großkopf

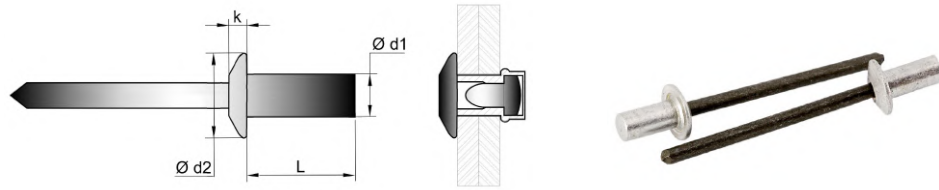
R1803

AlMg 5 / Edelstahl A2

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
4.8	x 20.0	15.5 - 17.0	<b>R1803-4820</b>	250	4,9	16.0	2.60	2000	3200	
	x 25.0	20.5 - 22.0	<b>R1803-4825</b>	250						
	x 30.0	25.5 - 27.0	<b>R1803-4830</b>	250						
	x 35.0	30.5 - 32.0	<b>R1803-4835</b>	250						
	x 40.0	35.5 - 37.0	<b>R1803-4840</b>	250						
	x 45.0	40.5 - 42.0	<b>R1803-4845</b>	250						
	x 50.0	45.5 - 47.0	<b>R1803-4850</b>	250						









# DICHTBLINDNIET



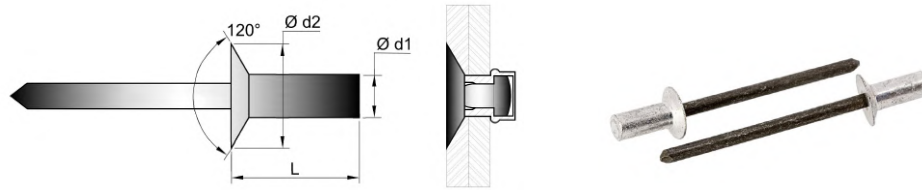
## ALUMINIUM / STAHL Flachrundkopf

R1201

AlMg 5 / Stahl leicht gefettet

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
3.2	x 6.5	0.5 - 2.0	<b>R1201-3206</b>	500	3,3	6.0	1.40	1250	1070	
	x 8.0	2.0 - 3.5	<b>R1201-3208</b>	500						
	x 9.5	3.5 - 5.0	<b>R1201-3209</b>	500						
	x 10.7	5.0 - 6.5	<b>R1201-3210</b>	500						
	x 12.7	6.5 - 8.0	<b>R1201-3212</b>	500						
4.0	x 8.0	0.5 - 3.5	<b>R1201-4008</b>	500	4,1	8.0	1.70	2240	1700	
	x 9.5	3.5 - 4.5	<b>R1201-4009</b>	500						
	x 11.0	4.5 - 6.5	<b>R1201-4011</b>	500						
	x 12.5	6.5 - 8.0	<b>R1201-4012</b>	500						
	x 15.0	8.0 - 10.5	<b>R1201-4015</b>	500						
4.8	x 8.0	1.0 - 3.0	<b>R1201-4808</b>	500	4,9	9.5	2.00	3100	2200	
	x 9.5	3.0 - 4.5	<b>R1201-4809</b>	500						
	x 11.0	4.5 - 6.0	<b>R1201-4811</b>	500						
	x 12.5	6.0 - 7.5	<b>R1201-4812</b>	500						
	x 14.0	7.5 - 9.0	<b>R1201-4814</b>	500						
	x 16.0	9.0 - 11.0	<b>R1201-4816</b>	500						
	x 18.0	11.0 - 13.0	<b>R1201-4818</b>	500						
	x 21.0	13.0 - 16.0	<b>R1201-4821</b>	250						
x 25.0	16.0 - 20.0	<b>R1201-4825</b>	250							
6.4	x 12.5	1.5 - 6.0	<b>R1201-6412</b>	250	6,5	12.7	2.50	4900	3950	
	x 16.0	6.0 - 8.0	<b>R1201-6416</b>	250						







# DICHTBLINDNIET



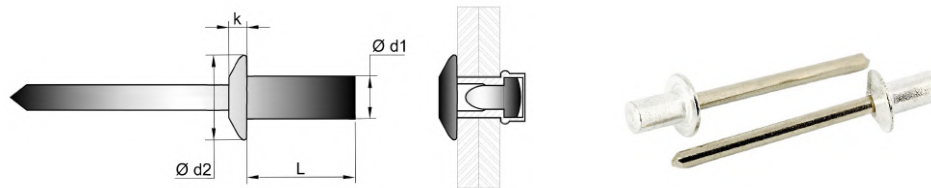
## ALUMINIUM / STAHL Senkkopf

R1204

AlMg 5 / Stahl leicht gefettet

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
3.2	x 7.5	1.5 - 3.5	<b>R1204-3207</b>	500	3,3	5.9	1.60	1450	1100	
	x 9.0	3.0 - 5.0	<b>R1204-3209</b>	500						
	x 10.5	4.5 - 6.5	<b>R1204-3210</b>	500						
4.0	x 9.5	3.0 - 5.0	<b>R1204-4009</b>	500	4,1	8.0	2.00	2200	1600	
	x 11.0	4.5 - 6.5	<b>R1204-4011</b>	500						
	x 12.5	6.0 - 8.0	<b>R1204-4012</b>	500						
4.8	x 9.5	2.5 - 4.5	<b>R1204-4809</b>	500	4,9	9.3	2.00	3100	2200	
	x 12.5	5.5 - 7.5	<b>R1204-4812</b>	500						
	x 14.0	7.0 - 9.0	<b>R1204-4814</b>	500						
	x 15.5	8.5 - 10.5	<b>R1204-4815</b>	500						
	x 19.5	12.0 - 14.0	<b>R1204-4819</b>	500						







# DICHTBLINDNIET



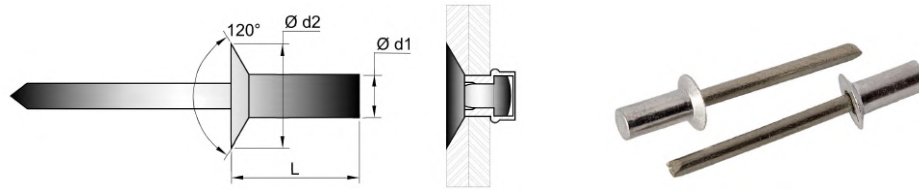
## ALUMINIUM / EDELSTAHL Flachrundkopf

R1231

AlMg 5 / Edelstahl A2

d1	L		code			d2	k			
mm	mm	mm			Ø mm	mm	mm	N	N	kN
<b>3.2</b>	x 6.5	0.5 - 2.0	<b>R1231-3206</b>	1.000	3,3	6.0	1.40	1250	1070	
	x 8.0	2.0 - 3.5	<b>R1231-3208</b>	500						
	x 9.5	3.5 - 5.0	<b>R1231-3209</b>	500						
	x 11.0	5.0 - 6.5	<b>R1231-3211</b>	500						
	x 12.7	6.5 - 8.0	<b>R1231-3212</b>	500						
<b>4.0</b>	x 8.0	0.5 - 3.5	<b>R1231-4008</b>	500	4,1	8.0	1.70	2240	1700	
	x 9.5	3.5 - 4.5	<b>R1231-4009</b>	500						
	x 11.0	4.5 - 6.5	<b>R1231-4011</b>	500						
	x 12.0	6.5 - 8.0	<b>R1231-4012</b>	500						
<b>4.8</b>	x 8.0	1.0 - 3.0	<b>R1231-4808</b>	500	4,9	9.5	2.00	3100	2200	
	x 9.5	3.0 - 4.5	<b>R1231-4809</b>	500						
	x 11.0	4.5 - 6.0	<b>R1231-4811</b>	500						
	x 12.0	6.0 - 7.5	<b>R1231-4812</b>	500						
	x 14.0	7.5 - 9.0	<b>R1231-4814</b>	500						
	x 16.0	9.0 - 11.0	<b>R1231-4816</b>	500						
	x 18.0	11.0 - 13.0	<b>R1231-4818</b>	500						
	x 21.0	13.0 - 16.0	<b>R1231-4821</b>	250						







# DICHTBLINDNIET



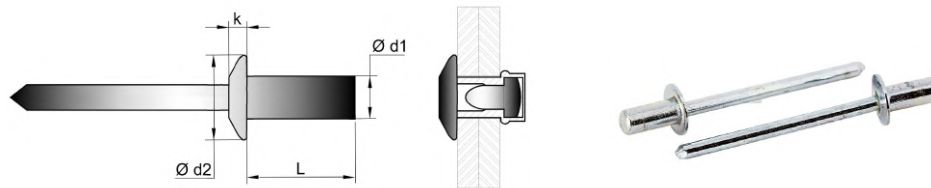
## ALUMINIUM / EDELSTAHL Senkkopf

R1234

AlMg 5 / Edelstahl A2

d1	L		code			d2	k			
mm	mm	mm			Ø mm	mm	mm	N	N	kN
4.0	x 9.5	3.0 - 5.0	<b>R1234-4009</b>	500	4,1	8.0	1.60	2200	1600	
	x 11.0	4.5 - 6.5	<b>R1234-4011</b>	500						
4.8	x 9.5	2.5 - 4.5	<b>R1234-4809</b>	500	4,9	9.3	1.60	3100	2200	
	x 11.0	4.5 - 6.5	<b>R1234-4811</b>	500						
	x 14.0	7.0 - 9.0	<b>R1234-4814</b>	500						







# DICHTBLINDNIET



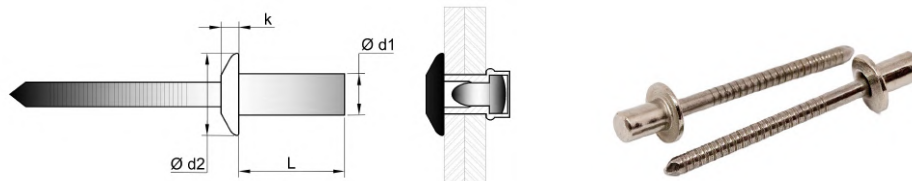
## STAHL / STAHL Flachrundkopf

R1241

Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
<b>3.2</b>	x 6.0	0.5 - 1.5	<b>R1241-3206</b>	500	3,3	6.0	1.00	2200	1600	
	x 8.0	1.5 - 3.0	<b>R1241-3208</b>	500						
	x 9.5	3.0 - 5.0	<b>R1241-3209</b>	500						
	x 12.0	5.0 - 7.0	<b>R1241-3212</b>	500						
<b>4.0</b>	x 6.0	0.5 - 1.5	<b>R1241-4006</b>	500	4,1	8.0	1.40	2500	2200	
	x 8.0	1.5 - 3.0	<b>R1241-4008</b>	500						
	x 10.0	3.0 - 5.0	<b>R1241-4010</b>	500						
	x 12.0	5.0 - 6.5	<b>R1241-4012</b>	500						
	x 15.0	6.5 - 10.5	<b>R1241-4015</b>	500						
<b>4.8</b>	x 8.0	1.0 - 3.0	<b>R1241-4808</b>	500	4,9	9.5	1.70	3800	2900	
	x 9.5	3.0 - 5.0	<b>R1241-4809</b>	250						
	x 12.0	5.0 - 6.5	<b>R1241-4812</b>	500						
	x 16.0	6.5 - 10.5	<b>R1241-4816</b>	500						







# DICHTBLINDNIET



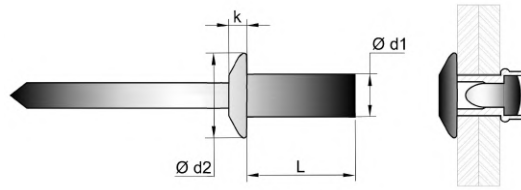
## EDELSTAHL / EDELSTAHL gerillt Flachrundkopf

R1261

Edelstahl AISI 304/420

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
3.2	x 6.0	0.5 - 1.5	<b>R1261-3206</b>	500	3,3	6.0	0.90	2200	2000	
	x 8.0	1.5 - 3.0	<b>R1261-3208</b>	500						
	x 9.5	3.0 - 5.0	<b>R1261-3209</b>	500						
	x 12.0	5.0 - 7.0	<b>R1261-3212</b>	500						
4.0	x 6.0	0.5 - 1.5	<b>R1261-4006</b>	500	4,1	8.0	1.30	3500	3000	
	x 8.0	1.5 - 3.0	<b>R1261-4008</b>	500						
	x 9.5	3.0 - 5.0	<b>R1261-4009</b>	500						
	x 12.5	5.5 - 7.0	<b>R1261-4012</b>	500						
	x 16.0	6.5 - 10.5	<b>R1261-4016</b>	500						
4.8	x 8.0	1.0 - 3.0	<b>R1261-4808</b>	500	4,9	9.5	1.70	4400	4000	
	x 9.5	3.0 - 5.0	<b>R1261-4809</b>	500						
	x 12.0	5.0 - 6.5	<b>R1261-4812</b>	500						
	x 16.0	6.5 - 10.5	<b>R1261-4816</b>	500						
	x 20.0	10.5 - 14.0	<b>R1261-4820</b>	250						







# DICHTBLINDNIET



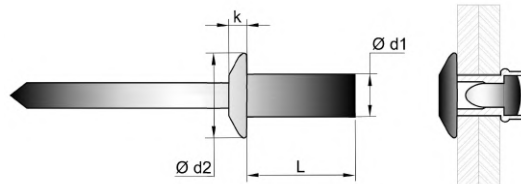
## KUPFER / STAHL Flachrundkopf

R1251

CU Legierung / Stahl leicht gefettet

d1	L		code			d2	k			
mm	mm	mm			Ø mm	mm	mm	N	N	kN
3.2	x 6.5	0.5 - 1.5	<b>R1251-3206</b>	500	3,3	6.0	1.40	1300	850	
	x 8.0	1.5 - 3.0	<b>R1251-3208</b>	500						
4.0	x 10.0	2.0 - 4.0	<b>R1251-4010</b>	500	4,1	8.0	1.70	2000	1350	







# DICHTBLINDNIET



## KUPFER / EDELSTAHL Flachrundkopf

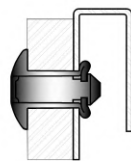
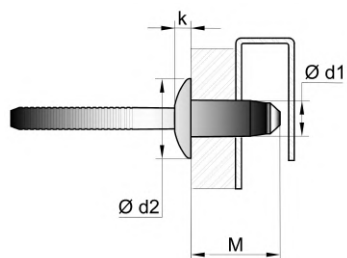
R1281

CU Legierung / Edelstahl A2

d1	L		code			d2	k			
mm	mm	mm			Ø mm	mm	mm	N	N	kN
3.2	x 6.5	0.5 - 1.5	<b>R1281-3206</b>	500	3,3	3.0	1.40	1300	850	
	x 8.0	1.0 - 3.0	<b>R1281-3208</b>	500						
	x 9.5	2.5 - 4.5	<b>R1281-3209</b>	500						
	x 12.5	5.5 - 7.5	<b>R1281-3212</b>	500						
4.0	x 8.0	0.5 - 3.0	<b>R1281-4008</b>	500	4,1	8.0	1.70	2000	1350	
	x 10.0	3.0 - 5.0	<b>R1281-4010</b>	500						







# SCHWERLASTNIET

hervorragende Scher- und Zugkräfte



## ALUMINIUM / ALUMINIUM Flachrundkopf

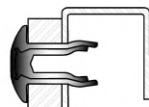
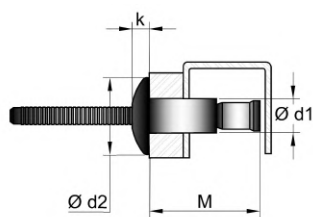
HEMLOK 2241

d1	M		code		 Ø mm	d2	k			
mm	mm	mm				mm	mm	N	N	kN
<b>6.4</b>	x 15.0	2.8 - 4.8	<b>2241-0813</b>	1.500	6,7 - 6,9	13.4	2.70	2670	6000	
	x 17.0	4.8 - 6.8	<b>2241-0815</b>	1.500				2670	6500	
	x 19.0	6.8 - 8.8	<b>2241-0817</b>	1.500				2670	7000	
	x 21.0	8.8 - 10.8	<b>2241-0819</b>	1.500				2670	7000	
	x 23.0	10.8 - 12.8	<b>2241-0821</b>	1.500				2670	7000	









# SCHWERLASTNIET

hervorragende Scher- und Zugkräfte



## ALUMINIUM / ALUMINIUM Flachrundkopf

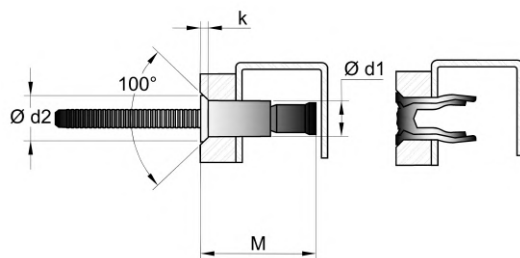
### MONOBOLT 2774

d1	M		code		 Ø mm	d2	k			
mm	mm	mm				mm	mm	N	N	kN
4.8	x 18.4	1.6 - 6.9	<b>2774-0613</b>	3.000	4,9 - 5,1	10.1	2.10	2220	3000	
	x 24.1	1.6 - 11.1	<b>2774-0617</b>	2.500						
6.4	x 24.6	2.0 - 9.5	<b>2774-0817</b>	1.500	6,6 - 7,0	13.4	2.90	4220	6000	
	x 34.7	2.0 - 15.9	<b>2774-0824</b>	1.250						

Achtung: Spezialmundstück erforderlich!







# SCHWERLASTNIET

hervorragende Scher- und Zugkräfte



## ALUMINIUM / ALUMINIUM Senkkopf

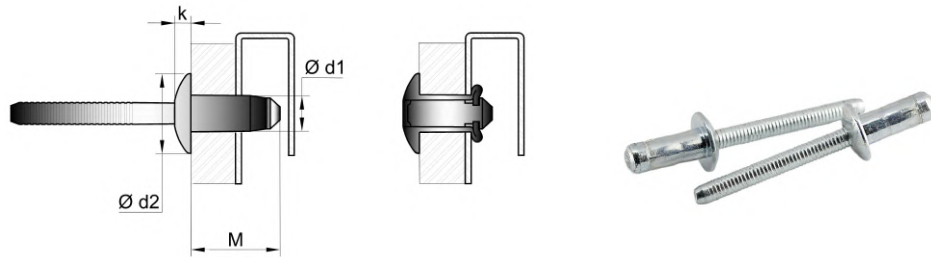
### MONOBOLT 2764

d1	M		code		 Ø mm	d2	k			
mm	mm	mm				mm	mm	N	N	kN
4.8	x 20.0	3.2 - 8.4	<b>2764-0615</b>	4.000	4,9 - 5,1	8.3	2.20	2100	2800	
6.4	x 27.2	3.2 - 12.0	<b>2764-0821</b>	1.500	6,6 - 7,0	10.1	2.40	4220	6000	

Achtung: Spezialmundstück erforderlich!

# SCHWERLASTNIET







hervorragende Scher- und Zugkräfte



## STAHL / STAHL Flachrundkopf

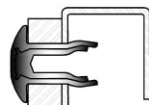
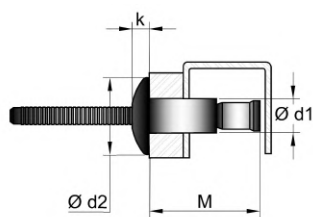
HEMLOK 2221

Stahl verzinkt

d1	M		code			d2	k			
mm	mm	mm			Ø mm	mm	mm	N	N	kN
6.4	x 13.7	1.5 - 3.5	<b>2221-0812</b>	1.500	6,7 - 6,9	13.4	2.70	8800	10500	
	x 15.0	2.8 - 4.8	<b>2221-0813</b>	1.500				8800	12000	
	x 15.6	3.4 - 5.4	<b>2221-0814</b>	1.500				8800	12500	
	x 17.0	4.8 - 6.8	<b>2221-0815</b>	1.500				8800	12500	
	x 19.0	6.8 - 8.8	<b>2221-0817</b>	1.500				8800	14000	
	x 19.7	7.5 - 9.5	<b>2221-0818</b>	1.500				8800	15000	
	x 21.0	8.8 - 10.8	<b>2221-0819</b>	1.500				8800	16000	
	x 23.0	10.8 - 12.8	<b>2221-0821</b>	1.500				8800	16000	

# SCHWERLASTNIET







hervorragende Scher- und Zugkräfte



## STAHL / STAHL Flachrundkopf

MONOBOLT 2771

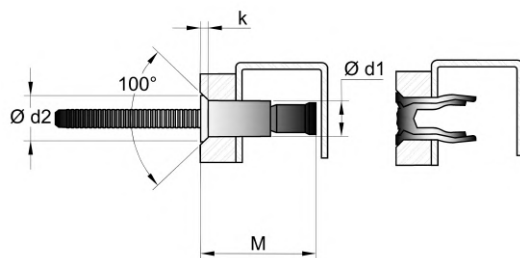
Stahl verzinkt

d1	M		code		 Ø mm	d2	k			
mm	mm	mm				mm	mm	N	N	kN
4.8	x 18.2	1.6 - 6.9	<b>2771-0613</b>	3.000	4,9 - 5,1	10.1	2.10	5110	6440	
	x 24.5	1.6 - 11.1	<b>2771-0617</b>	2.500						
6.4	x 23.7	2.0 - 9.5	<b>2771-0817</b>	1.500	6,6 - 7,0	13.4	2.70	10450	11780	
	x 33.0	2.0 - 15.9	<b>2771-0824</b>	1.250						

Achtung: Spezialmundstück erforderlich!

# SCHWERLASTNIET







hervorragende Scher- und Zugkräfte



## STAHL / STAHL Senkkopf

MONOBOLT 2761

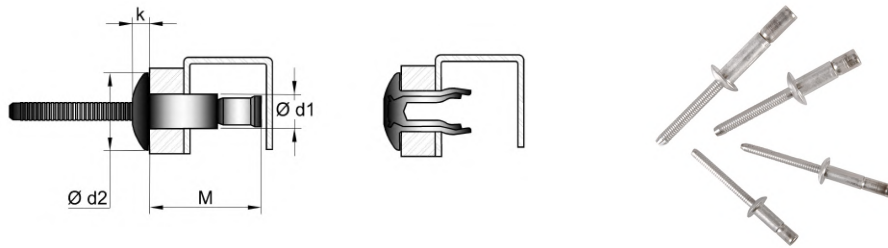
Stahl verzinkt

d1	M		code		 Ø mm	d2	k			
mm	mm	mm				mm	mm	N	N	kN
4.8	x 20.0	3.2 - 8.4	<b>2761-0615</b>	2.500	4,9 - 5,1	8.3	2.20	5110	6440	
6.4	x 26.4	3.2 - 12.0	<b>2761-0821</b>	1.000	6,6 - 7,0	10.1	2.40	10450	11780	

Achtung: Spezialmundstück erforderlich!

# SCHWERLASTNIET







hervorragende Scher- und Zugkräfte



## EDELSTAHL / EDELSTAHL gerillt Flachrundkopf

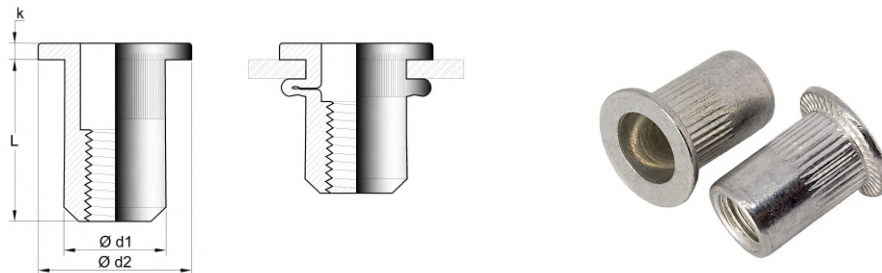
MONOBOLT 2711

AISI 304

d1	M		code		 Ø mm	d2	k			
	mm	mm				mm	mm	N	N	kN
4.8	x 18.2	1.6 - 6.9	<b>2711-0613</b>	3.000	4,9 - 5,1	10.1	2.10	5110	6440	
	x 24.5	1.6 - 11.1	<b>2711-0617</b>	2.500						
6.4	x 23.7	2.0 - 9.5	<b>2711-0817</b>	1.500	6,6 - 7,0	13.4	2.90	10450	11780	
	x 33.0	2.0 - 15.9	<b>2711-0824</b>	1.250						

Achtung: Spezialmundstück erforderlich!







# BLINDNIETMUTTER



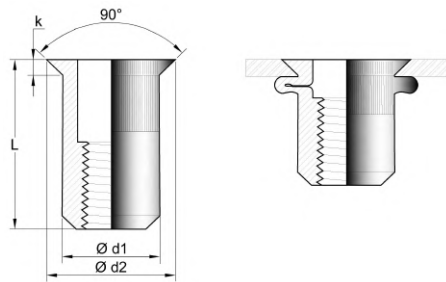
## ALUMINIUM Flachkopf gerändelt mit Unterkopfverzahnung!

N2C2-CO

AlMg 5

d1	L		code		 Ø mm	d2	k			
	mm	mm				mm	mm	N	N	kN
<b>M 3</b>	4.9 x 10.0	0.5 - 2.0	<b>N2C2M03CO20</b>	250	5,0	7.0	0.90	2000	700	2,0
<b>M 4</b>	5.9 x 10.0	0.5 - 3.0	<b>N2C2M04CO30</b>	250	6,0	9.0	1.00	2840	1070	4,0
	5.9 x 11.8	3.1 - 4.0	<b>N2C2M04CO40</b>	250						
<b>M 5</b>	6.9 x 12.0	0.5 - 3.0	<b>N2C2M05CO30</b>	250	7,0	10.0	1.00	4900	1170	5,0
	6.9 x 15.0	3.1 - 4.0	<b>N2C2M05CO40</b>	250						
<b>M 6</b>	8.9 x 14.5	0.5 - 3.0	<b>N2C2M06CO30</b>	250	9,0	13.0	1.50	9300	2280	11,3
	8.9 x 16.5	3.1 - 4.5	<b>N2C2M06CO45</b>	250						
<b>M 8</b>	10.9 x 16.0	0.5 - 3.0	<b>N2C2M08CO30</b>	250	11,0	16.0	1.50	14700	2450	14,6
	10.9 x 18.5	3.1 - 5.5	<b>N2C2M08CO55</b>	250						
<b>M10</b>	12.9 x 17.0	0.5 - 3.0	<b>N2C2M10CO30</b>	250	13,0	19.0	2.00	21500	3820	20,0







# BLINDNIETMUTTER



## ALUMINIUM Senkkopf gerändelt mit Unterkopfverzahnung!

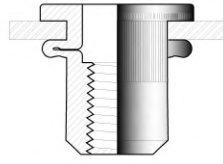
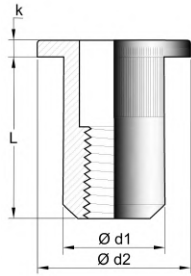
N2C2-VO

AlMg 5

d1	L		code		 Ø mm	d2	k			
	mm	mm				mm	mm	N	N	kN
<b>M 4</b>	5.9 x 11.5	1.5 - 3.5	<b>N2C2M04VO35</b>	250	6,0	9.0	1.70	2840	1070	4,0
<b>M 5</b>	6.9 x 13.5	1.5 - 4.0	<b>N2C2M05VO40</b>	250	7,0	10.0	1.70	4900	1170	5,0
<b>M 6</b>	8.9 x 16.0	1.5 - 4.5	<b>N2C2M06VO45</b>	250	9,0	12.0	1.70	9300	2280	11,3
<b>M 8</b>	10.9 x 19.0	1.5 - 4.5	<b>N2C2M08VO45</b>	250	11,0	14.0	1.70	14700	2400	14,6









# BLINDNIETMUTTER



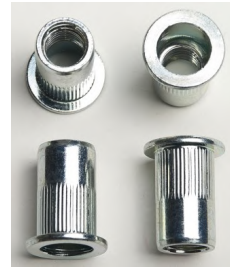
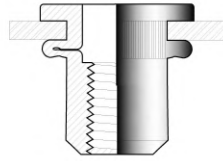
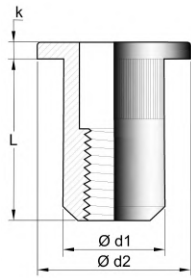
## STAHL Flachkopf gerändelt mit Unterkopfverzahnung!

N23-CO

Stahl verzinkt







d1	L mm	 mm	code		 Ø mm	d2 mm	k mm	 N	 N	 kN
<b>M 3</b>	4.9 x 10.0	0.5 - 3.0	<b>N23M03CO30</b>	250	5.0	7.0	0.90	4900	980	3,0
<b>M 4</b>	5.9 x 10.0 5.9 x 11.5	0.3 - 3.0 3.1 - 4.0	<b>N23M04CO30</b> <b>N23M04CO40</b>	250 250	6.0	9.0	1.00	7840	1660	4,5
<b>M 5</b>	6.9 x 12.0 6.9 x 15.0	0.3 - 3.0 3.1 - 4.0	<b>N23M05CO30</b> <b>N23M05CO40</b>	250 250	7.0	10.0	1.00	11080	2740	5,4
<b>M 6</b>	8.9 x 14.5 8.9 x 17.5	0.5 - 3.0 3.1 - 4.5	<b>N23M06CO30</b> <b>N23M06CO45</b>	250 250	9.0	13.0	1.50	17650	3430	11,0
<b>M 8</b>	10.9 x 16.0 10.9 x 18.5	0.5 - 3.0 3.1 - 5.5	<b>N23M08CO30</b> <b>N23M08CO55</b>	250 250	11.0	16.0	1.50	27450	4410	29,0
<b>M10</b>	12.9 x 17.0 12.9 x 22.0	0.5 - 3.0 3.1 - 6.0	<b>N23M10CO30</b> <b>N23M10CO60</b>	250 250	13.0	19.0	2.00	28430	4900	32,0
<b>M12</b>	15.9 x 23.0	1.0 - 4.0	<b>N23M12CO40</b>	100	16.0	23.0	2.00	48050	6860	44,2

# BLINDNIETMUTTER

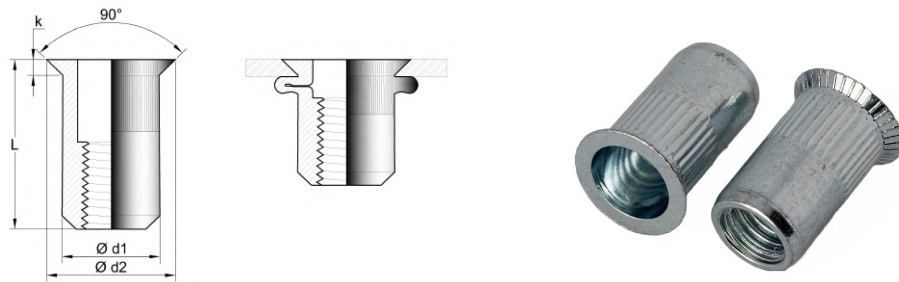


## STAHL Flachkopf gerändelt

N23-CO

d1	L		code			d2	k			
mm	mm	mm			Ø mm	mm	mm	N	N	kN
M10	11.9 x 17.0	0.5 - 3.0	<b>N23M10CO30</b>	250	12,0	16.0	2.10	28420	4900	32,0
	11.9 x 22.0	3.0 - 6.0	<b>N23M10CO60</b>	250						







# BLINDNIETMUTTER



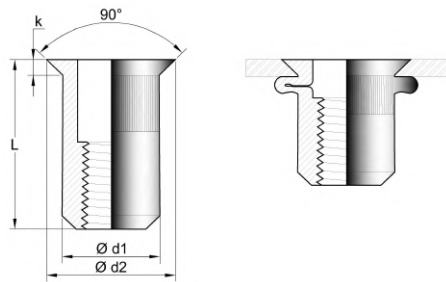
## STAHL Senkkopf gerändelt mit Unterkopfverzahnung!

N23-VO

Stahl verzinkt







d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
<b>M 4</b>	5.9 x 11.5	1.5 - 3.5	<b>N23M04VO35</b>	250	6,0	9,0	1,70	7840	2150	4,0
<b>M 5</b>	6.9 x 13.5	1.5 - 4.0	<b>N23M05VO40</b>	250	7,0	10,0	1,70	10780	2250	5,0
<b>M 6</b>	8.9 x 16.0	1.5 - 4.5	<b>N23M06VO45</b>	250	9,0	12,0	1,70	16670	3620	15,0
<b>M 8</b>	10.9 x 19.0	1.5 - 4.5	<b>N23M08VO45</b>	250	11,0	14,0	1,70	30790	4700	18,0

# BLINDNIETMUTTER

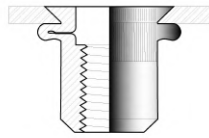
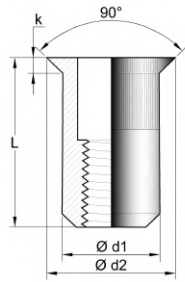


## STAHL Senkkopf gerändelt

N23-VO

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
M10	11.9 x 21.0	2.0 - 4.5	<b>N23M10VO045</b>	250	12,0	14.5	1.70	34300	5050	28,0
	11.9 x 24.0	4.5 - 7.5	<b>N23M10VO075</b>	250						







# BLINDNIETMUTTER



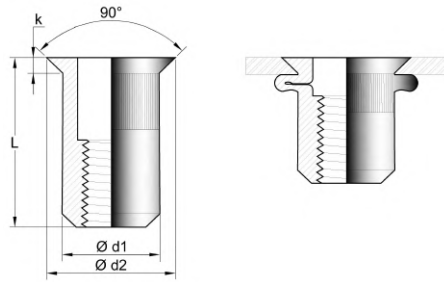
## STAHL Mikrokopf gerändelt mit Unterkopfverzahnung!

N27-VO

Stahl verzinkt







d1	L mm	 mm	code		 Ø mm	d2 mm	k mm	 N	 N	 kN
<b>M 4</b>	5.9 x 10.0	0.5 - 3.0	<b>N27M04VO30</b>	250	6,0	7.0	0.70	6470	1560	4,0
<b>M 5</b>	6.9 x 11.5	0.5 - 3.0	<b>N27M05VO30</b>	250	7,0	8.0	0.70	9000	2510	5,0
<b>M 6</b>	8.9 x 14.0	0.5 - 3.0	<b>N27M06VO30</b>	250	9,0	10.0	0.70	16670	2350	10,0
<b>M 8</b>	10.9 x 15.5	0.5 - 3.0	<b>N27M08VO30</b>	250	11,0	12.0	0.70	21570	2840	18,0
<b>M10</b>	12.9 x 19.5	0.8 - 3.5	<b>N27M10VO35</b>	250	13,0	13.5	0.70	31770	4210	30,0

# BLINDNIETMUTTER

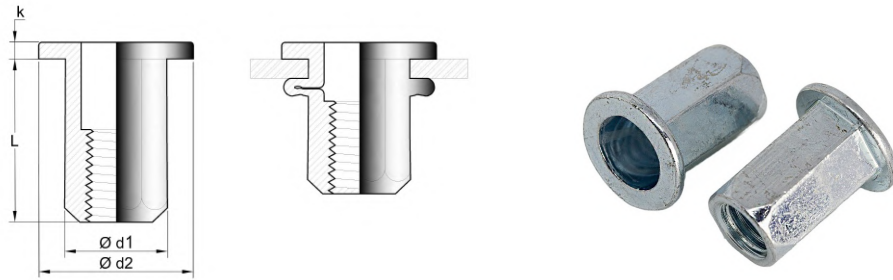


## STAHL Mikrokopf gerändelt

N27-VO

d1	L		code		 Ø mm	d2	k			
	mm	mm				mm	mm	N	N	kN
<b>M10</b>	11.9 x 20.0	0.8 - 3.5	<b>N27M10VO35</b>	250	12,0	13.5	0.90	31750	4260	30,0







# BLINDNIETMUTTER



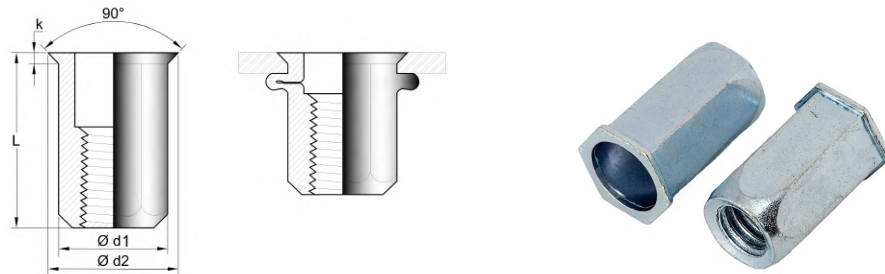
## STAHL Sechskant Flachkopf

N23-HCO - Vollsechskant

Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			mm	mm	mm	N	N	kN
M 4	6.0 x 11.5	0.5 - 3.0	N23H04CO30	250	SW 6,1	9.0	1.00	6800		5,0
M 5	7.0 x 13.5	0.5 - 3.0	N23H05CO30	250	SW 7,1	10.0	1.00	10000		7,0
M 6	9.0 x 15.5	0.5 - 3.0	N23H06CO30	250	SW 9,1	12.0	1.50	15000		14,0
M 8	11.0 x 17.5	0.5 - 3.0	N23H08CO30	250	SW 11,1	15.5	1.50	27000		23,0
M10	13.0 x 22.0	1.0 - 4.0	N23H10CO40	250	SW 13,1	16.0	2.00	37000		35,0







# BLINDNIETMUTTER



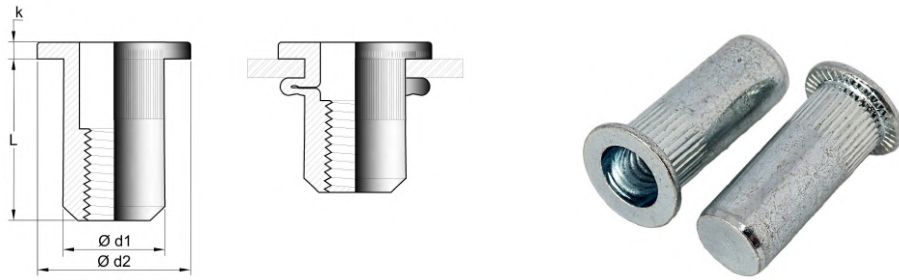
## STAHL Sechskant Mikrokopf

N23-HKVO - Vollsechskant

Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			mm	mm	mm	N	N	kN
M 4	6.0 x 12.0	0.5 - 3.0	N23H04KVO30	250	SW 6,1	7.0	0.80	5880	1860	5,0
M 5	7.0 x 14.0	0.5 - 2.5	N23H05KVO25	250	SW 7,1	8.0	0.80	10590	2350	10,3
M 6	9.0 x 16.0	0.5 - 2.5	N23H06KVO25	250	SW 9,1	10.0	0.80	19610	2940	18,0
M 8	11.0 x 18.0	0.5 - 2.5	N23H08KVO25	250	SW 11,1	12.0	0.80	27450	2940	24,8
M10	13.0 x 22.0	0.5 - 4.0	N23H10KVO40	250	SW 13,1	14.0	0.80	39220	3430	37,0







# BLINDNIETMUTTER GESCHLOSSEN



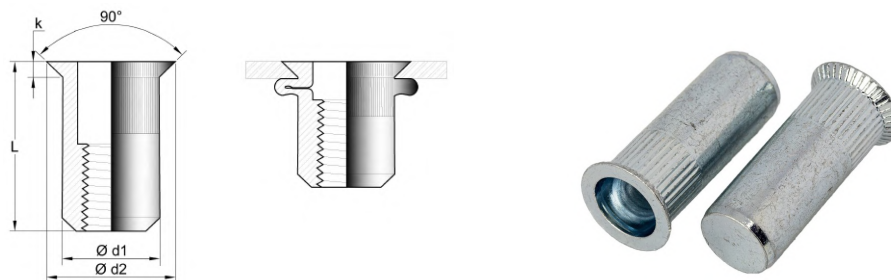
## STAHL Flachkopf gerändelt mit Unterkopfverzahnung!

N23-CG

Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
M 4	5.9 x 16.5	0.5 - 3.0	N23M04CG30	250	6.0	9.0	1.00	7840	1660	4,5
M 5	6.9 x 19.0	0.5 - 3.0	N23M05CG30	250	7.0	10.0	1.00	11080	2740	5,4
M 6	8.9 x 22.0	0.5 - 3.0	N23M06CG30	250	9.0	13.0	1.50	17650	3430	11,0
M 8	10.9 x 26.5	0.5 - 3.0	N23M08CG30	250	11.0	16.0	1.50	27450	4410	29,0







# BLINDNIETMUTTER GESCHLOSSEN



## STAHL Senkkopf gerändelt mit Unterkopfverzahnung!

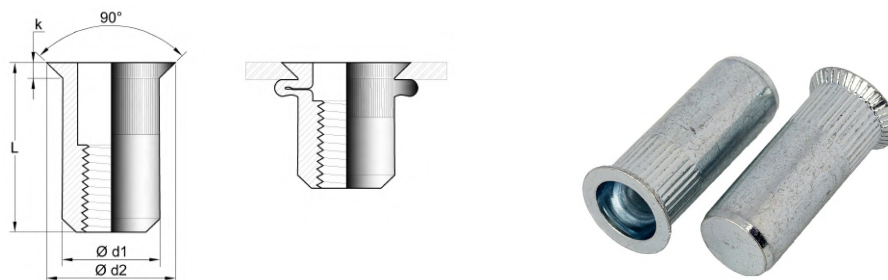
N23-VG

Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
M 4	5.9 x 17.5	1.5 - 3.5	N23M04VG35	250	6.0	9.0	1.70	7840	2150	4,0
M 5	6.9 x 20.5	1.5 - 4.0	N23M05VG40	250	7.0	10.0	1.70	10780	2250	5,0
M 6	8.9 x 23.5	1.5 - 4.5	N23M06VG45	250	9.0	12.0	1.70	16670	3620	10,0
M 8	10.9 x 28.0	1.5 - 4.5	N23M08VG45	250	11.0	14.0	1.70	30790	4700	18,0









# BLINDNIETMUTTER GESCHLOSSEN



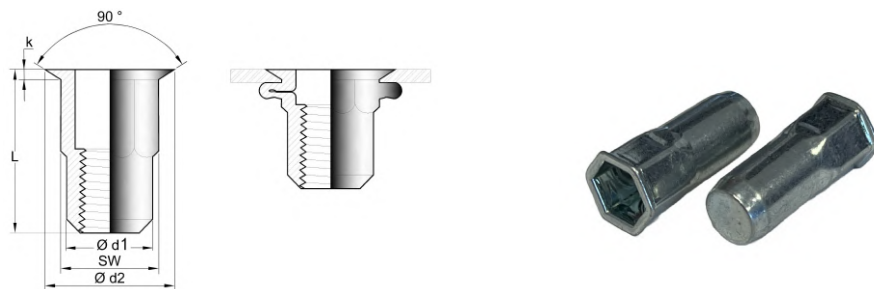
## STAHL Mikrokopf gerändelt mit Unterkopfverzahnung!

N23-KVG

Stahl verzinkt

d1	L mm	 mm	code		 Ø mm	d2 mm	k mm	 N	 N	 kN
M 4	5.9 x 16.0	0.5 - 3.0	<b>N23M04KVG30</b>	250	6,0	6.5	0.50	6800		3,0
M 5	6.9 x 19.0	0.5 - 3.0	<b>N23M05KVG30</b>	250	7,0	7.5	0.50	10000		6,0
M 6	8.9 x 22.5	0.5 - 3.0	<b>N23M06KVG30</b>	250	9,0	9.5	0.50	15000		10,0
M 8	10.9 x 25.5	0.5 - 3.0	<b>N23M08KVG30</b>	250	11,0	11.5	0.50	27000		24,0
M10	12.9 x 35.0	1.0 - 3.5	<b>N23M10KVG30</b>	100	13,0	13.5	0.70	37000		48,0







# BLINDNIETMUTTER GESCHLOSSEN



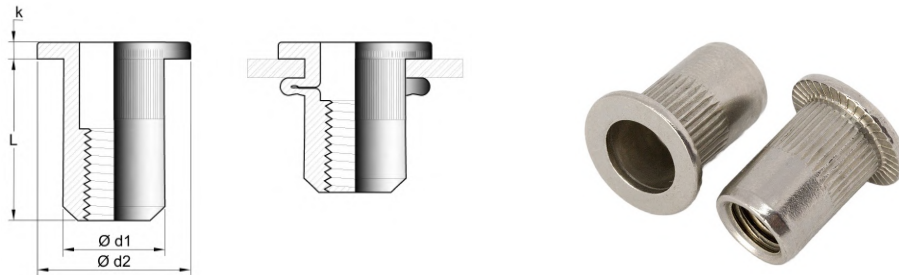
## STAHL Sechskant Mikrokopf

N23-HKVG - Teilsechskant

Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			mm	mm	mm	N	N	kN
<b>M 4</b>	M 4 x 16.5	0.5 - 3.0	<b>N23H04KVG30</b>	250	SW 6,1	7.0	0.50	6800		3,0
<b>M 5</b>	M 5 x 19.5	0.5 - 3.0	<b>N23H05KVG30</b>	250	SW 7,1	8.0	0.50	10000		6,0
<b>M 6</b>	M 6 x 22.5	0.5 - 3.0	<b>N23H06KVG30</b>	250	SW 9,1	10.0	0.50	15000		10,0
<b>M 8</b>	M 8 x 25.5	0.5 - 3.0	<b>N23H08KVG30</b>	250	SW 11,1	12.0	0.60	27000		24,0
<b>M10</b>	M10 x 35.5	1.0 - 3.5	<b>N23H10KVG35</b>	100	SW 13,1	14.5	0.70	37000		46,0







# BLINDNIETMUTTER



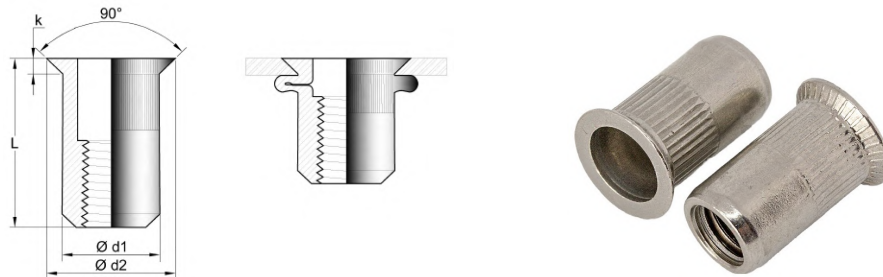
## EDELSTAHL Flachkopf gerändelt mit Unterkopfverzahnung!

N24-CO

Edelstahl A2

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
M 4	5.9 x 10.0	0.3 - 3.0	N24M04CO30	250	6.0	9.0	1.00	6860	3920	6.9
M 5	6.9 x 12.0	0.3 - 3.0	N24M05CO30	250	7.0	10.0	1.00	11760	4510	10.0
M 6	8.9 x 14.5	0.5 - 3.0	N24M06CO30	250	9.0	13.0	1.50	18630	4900	20.0
M 8	10.9 x 16.0	0.5 - 3.0	N24M08CO30	250	11.0	16.0	1.50	27450	6860	29.0
M10	12.9 x 17.0	0.5 - 3.0	N24M10CO30	250	13.0	19.0	2.00	29410	7840	38.0







# BLINDNIETMUTTER



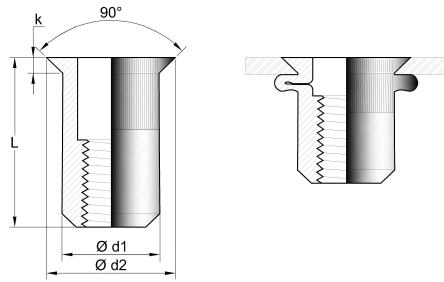
## EDELSTAHL Senkkopf gerändelt mit Unterkopfverzahnung!

N24-VO

Edelstahl A2

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
M 4	5.9 x 11.5	1.5 - 3.5	N24M04VO35	250	6.0	9.0	1.70	10100	3720	6.9
M 5	6.9 x 13.5	1.5 - 4.0	N24M05VO40	250	7.0	10.0	1.70	11760	4020	10.4
M 6	8.9 x 16.0	1.5 - 4.5	N24M06VO45	250	9.0	12.0	1.70	20590	5490	21.0
M 8	10.9 x 19.0	1.5 - 4.5	N24M08VO45	250	11.0	14.0	1.70	27450	7640	30.2
M10	12.9 x 21.0	1.5 - 4.5	N24M10VO45	250	13.0	15.0	1.70	32360	8040	33.0







# BLINDNIETMUTTER



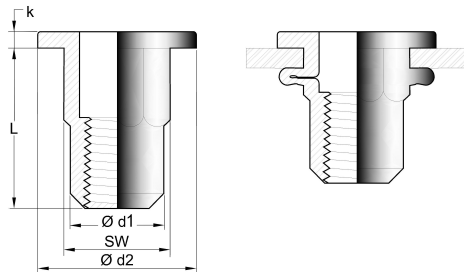
## EDELSTAHL Mikrokopf gerändelt mit Unterkopfverzahnung!

N24-KVO

Edelstahl A2

d1	L mm	 mm	code		 Ø mm	d2 mm	k mm	 N	 N	 kN
M 4	5.9 x 10.0	0.5 - 3.0	N24M04KVO30	250	6.0	7.0	0.80	6860	2940	6.9
M 5	6.9 x 11.5	0.5 - 3.0	N24M05KVO30	250	7.0	8.0	0.80	11760	4020	10.4
M 6	8.9 x 14.0	0.5 - 3.0	N24M06KVO30	250	9.0	10.0	0.50	18630	5190	21.2
M 8	10.9 x 15.5	0.5 - 3.0	N24M08KVO30	250	11.0	12.0	0.80	25490	5390	31.0
M10	12.9 x 19.5	0.8 - 3.5	N24M10KVO35	250	13.0	13.5	1.00	34320	5880	32.0







# BLINDNIETMUTTER



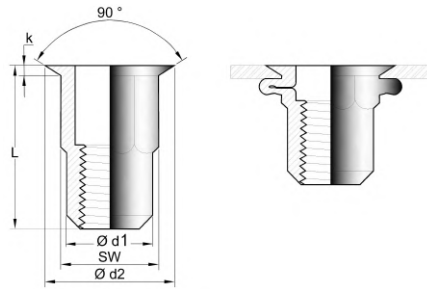
## EDELSTAHL Sechskant Flachkopf

N24-HCO - Teilsechskant

Edelstahl A2

d1	L mm	 mm	code		 mm	d2 mm	k mm	 N	 N	 kN
M 4	6.0 x 10.5	0.5 - 3.0	N24H04CO30	250	SW 6,1	9.3	1.00	6800	2640	12.0
M 5	7.0 x 11.0	0.5 - 3.0	N24H05CO30	250	SW 7,1	10.3	1.00	10000	3430	14.2
M 6	9.0 x 15.5	0.5 - 3.0	N24H06CO30	250	SW 9,1	12.3	1.50	21570	4700	26.6
M 8	11.0 x 16.5	0.5 - 3.0	N24H08CO30	250	SW 11,1	16.0	1.50	37260	6860	39.5
M10	13.0 x 22.0	1.0 - 4.0	N24H10CO40	250	SW 13,1	16.3	2.00	47070	8620	45.0

# BLINDNIETMUTTER



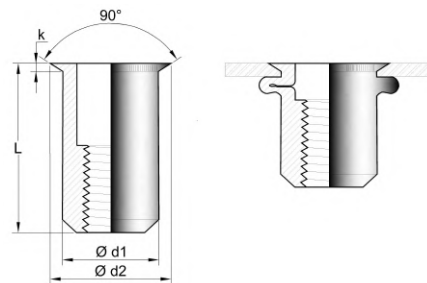
## EDELSTAHL Sechskant Mikrokopf

N24-HKVO - Teilsechskant

Edelstahl A2

d1	L		code			d2	k			
	mm	mm			mm	mm	mm	N	N	kN
M 4	6.0 x 12.0	0.5 - 2.5	N24H04KVO25	250	SW 6,1	6.5	0.60	8230	2940	12,3
M 5	7.0 x 14.0	0.5 - 3.0	N24H05KVO30	250	SW 7,1	7.5	0.60	11760	3820	11,0
M 6	9.0 x 16.0	0.5 - 3.0	N24H06KVO30	250	SW 9,1	9.5	0.60	21570	3430	21,0
M 8	11.0 x 17.0	0.5 - 3.0	N24H08KVO30	250	SW 11,1	11.5	0.60	24510	4900	31,0
M10	13.0 x 20.5	1.0 - 4.0	N24H10KVO40	250	SW 13,1	14.7	0.60	47070	5000	42,0

# BLINDNIETMUTTER

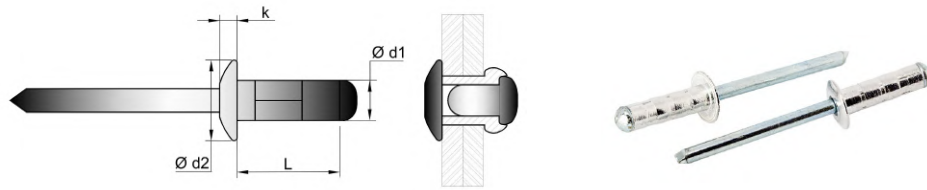


## EDELSTAHL A4 Mikrokopf glatt mit Unterkopfverzahnung!

N28-KVO

AISI 316







d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
M 4	5.9 x 11.2	0.5 - 2.0	N28M04KVO20	250	6,0	7.0	0.50	6800		3,0
M 5	6.9 x 11.5	0.5 - 2.5	N28M05KVO25	250	7,0	8.0	0.50	10000		6,0
M 6	8.9 x 14.0	0.5 - 3.0	N28M06KVO30	250	9,0	9.8	0.50	17000	16500	4,5
M 8	10.9 x 16.5	0.5 - 3.0	N28M08KVO30	250	11,0	12.0	0.60	27000		24,0

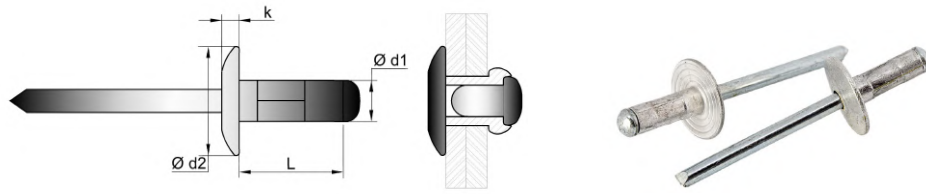


## MEHRBEREICHSNIET ALUMINIUM / STAHL Flachrundkopf

R1001 Blister

AlMg 2,5 / Stahl verzinkt







d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
3.0	x 6.5	0.5 - 3.0	<b>R1001-3006</b>	1 (100)	3,1 - 3,2	6.0	1.00	654	522	
	x 8.0	0.5 - 5.0	<b>R1001-3008</b>	1 (100)						
	x 10.0	2.5 - 7.0	<b>R1001-3010</b>	1 (100)						
3.2	x 8.0	0.5 - 5.0	<b>R1001-3208</b>	1 (100)	3,3 - 3,4	6.0	1.00	980	680	
	x 11.1	3.5 - 8.0	<b>R1001-3211</b>	1 (100)						
4.0	x 6.0	0.5 - 2.5	<b>R1001-4006</b>	1 (100)	4,1 - 4,2	8.0	1.30	1600	1150	
	x 8.0	0.5 - 4.5	<b>R1001-4008</b>	1 (100)						
	x 9.5	1.0 - 6.0	<b>R1001-4009</b>	1 (100)						
	x 10.0	1.5 - 6.5	<b>R1001-4010</b>	1 (100)						
	x 12.0	3.5 - 8.5	<b>R1001-4012</b>	1 (100)						
	x 16.0	7.5 - 12.5	<b>R1001-4016</b>	1 (100)						
	x 17.0	8.5 - 13.5	<b>R1001-4017</b>	1 (50)						
4.8	x 10.0	0.5 - 5.0	<b>R1001-4810</b>	1 (100)	4,9 - 5,0	9.5	1.50	2350	1500	
	x 10.3	0.5 - 5.5	<b>R1001-4811</b>	1 (50)						
	x 12.0	2.0 - 7.0	<b>R1001-4812</b>	1 (100)						
	x 14.0	4.0 - 9.0	<b>R1001-4814</b>	1 (100)						
	x 15.1	5.0 - 10.5	<b>R1001-4815</b>	1 (50)						
	x 16.0	6.0 - 11.0	<b>R1001-4816</b>	1 (100)						



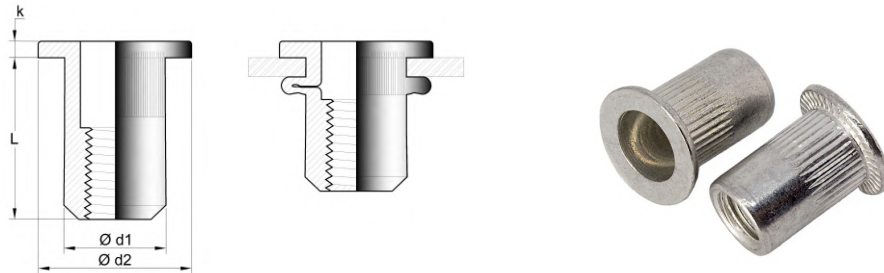
## MEHRBEREICHSNIET ALUMINIUM / STAHL Großkopf

R1002 Blister

AlMg 2,5 / Stahl verzinkt

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
4.8	x 12.0	2.0 - 7.0	<b>R1002-4812</b>	1 (50)	4,9 - 5,0	14.0	1.60	2350	1500	
	x 16.0	6.0 - 11.0	<b>R1002-4816</b>	1 (50)						
	x 18.0	8.0 - 13.0	<b>R1002-4818</b>	1 (50)						







# BLISTER



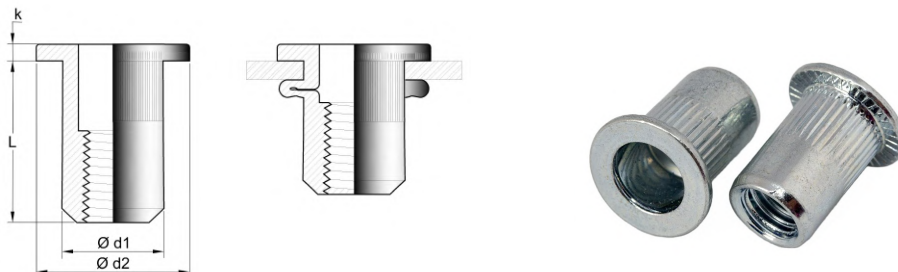
## BLINDNIETMUTTER ALUMINIUM Flachkopf gerändelt mit Unterkopfverzahnung!

N2C2-CO Blister

AlMg 5

d1	L mm	 mm	code		 Ø mm	d2 mm	k mm	 N	 N	 kN
M 4	x 10.0	0.5 - 3.0	N2C2M04CO30	1 (50)	6.0	9.0	0.90	2840	1070	4.0
M 5	x 12.0	0.5 - 3.0	N2C2M05CO30	1 (50)	7.0	10.0	1.00	4900	1170	5.0
M 6	x 14.5	0.5 - 3.0	N2C2M06CO30	1 (50)	9.0	13.0	1.50	9280	2280	11.3
M 8	x 16.0	0.5 - 3.0	N2C2M08CO30	1 (50)	11.0	16.0	1.50	14700	2450	14.6







# BLISTER



## BLINDNIETMUTTER STAHL Flachkopf gerändelt mit Unterkopfverzahnung!

N23-CO Blister

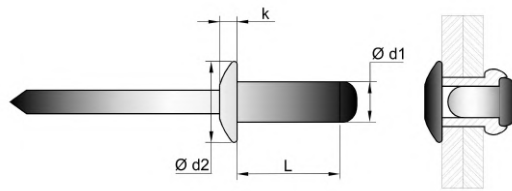
Stahl verzinkt

d1	L mm	 mm	code		 Ø mm	d2 mm	k mm	 N	 N	 kN
M 4	x 10.0	0.3 - 3.0	N23M04CO30	1 (50)	6.0	9.0	0.90	7840	1660	4.5
M 5	x 12.0	0.3 - 3.0	N23M05CO30	1 (50)	7.0	10.0	1.10	11070	2760	6.0
M 6	x 14.5	0.5 - 3.0	N23M06CO30	1 (50)	9.0	12.0	1.60	17640	3430	20.0
M 8	x 16.0	0.5 - 3.0	N23M08CO30	1 (50)	11.0	15.0	1.60	27440	4410	29.0
M10	x 17.0	0.5 - 3.0	N23M10CO30	1 (25)	13.0	19.0	2.00	28430	4900	32.0



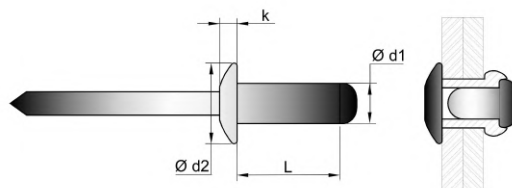
# SPENGLERARTIKEL

## SPENGLERNIET - leicht lötbar!



## STAHL verzinkt Flachrundkopf

d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
3.2	x 6.0	0.5 - 3.0	SP-2	1.000	3,3	6.1	1.00	1750	1400	
	x 8.0	3.0 - 5.0	SP-3	1.000						
	x 10.0	5.0 - 7.0	SP-4	1.000						

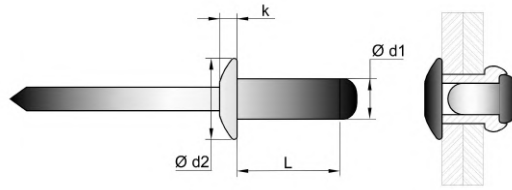


## EDELSTAHL/MONEL vernickelt Flachrundkopf







d1	L		code			d2	k			
	mm	mm			Ø mm	mm	mm	N	N	kN
3.2	x 6.0	1.0 - 3.0	IN-2	1.000	3,3	6.6	1.17	1800	1100	
	x 8.0	2.0 - 5.0	IN-3	1.000						
	x 10.0	3.0 - 7.0	IN-4	1.000						

# SPENGLERARTIKEL

## SPENGLERNIET - leicht lötbar!

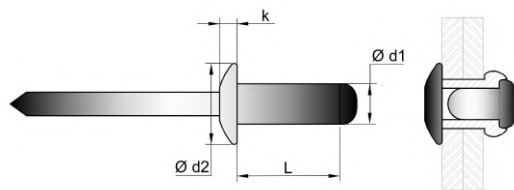


### KUPFER / BRONZE Flachrundkopf







d1	L		code			d2	k			
mm	mm	mm			Ø mm	mm	mm	N	N	kN
3.2	x 6.0	1.0 - 3.0	<b>R1851-3206</b>	500	3,3	6.0	0.80	1000	800	
	x 8.0	3.0 - 5.0	<b>R1851-3208</b>	500						
	x 10.0	5.0 - 7.0	<b>R1851-3210</b>	500						
4.0	x 8.0	2.5 - 4.5	<b>R1851-4008</b>	500	4,1	7.8	1.10	1500	1000	
	x 10.0	4.5 - 6.5	<b>R1851-4010</b>	500						

# SPENGLERARTIKEL

## SPENGLERNIET



## KUPFER / STAHL Flachrundkopf

d1	L		code			d2	k			
mm	mm	mm			Ø mm	mm	mm	N	N	kN
3.0	x 6.0	1.0 - 3.0	<b>R1101-3006</b>	500	3,1	6.5	0.80	700	600	
	x 8.0	3.0 - 5.0	<b>R1101-3008</b>	500						
	x 10.0	5.0 - 7.0	<b>R1101-3010</b>	500						
3.2	x 6.0	1.0 - 3.0	<b>R1101-3206</b>	500	3,3	6.5	0.80	800	700	
	x 8.0	3.0 - 5.0	<b>R1101-3208</b>	500						
	x 10.0	5.0 - 7.0	<b>R1101-3210</b>	500						
	x 12.0	7.0 - 9.0	<b>R1101-3212</b>	500						
4.0	x 6.0	1.0 - 2.5	<b>R1101-4006</b>	500	4,1	8.0	1.00	1500	1000	
	x 8.0	2.5 - 4.5	<b>R1101-4008</b>	500						
	x 10.0	4.5 - 6.5	<b>R1101-4010</b>	500						
	x 12.0	6.5 - 8.5	<b>R1101-4012</b>	500						

# SPENGLERARTIKEL

## DOPPELBOHRER HSS

Ges.Länge 49 mm, Bohrlänge 10 mm, Type N rechtsschneidend-zylindrisch-extra kurz



Durchmesser			Stk./Pkg.
3,3 mm	für ALU- u. STAHLBLECHE	<b>DB33</b>	10
4,1 mm	für ALU- u. STAHLBLECHE	<b>DB41</b>	10
4,2 mm	für ALU- u. STAHLBLECHE	<b>DB42</b>	10
4,9 mm	für ALU- u. STAHLBLECHE	<b>DB49</b>	10
5,1 mm	für ALU- u. STAHLBLECHE	<b>DB51</b>	10
5,2 mm	für ALU- u. STAHLBLECHE	<b>DB52</b>	10
3,3 mm	für EDELSTAHLBLECHE	<b>DB33CO</b>	10

## HAMMERBOHRER

Ges.Länge 160 mm, Bohrlänge 100 mm



Durchmesser			Stk./Pkg.
5,0 mm	für BETON & NATURSTEIN	<b>SDSPLUS 05/160</b>	12

## MFX 150B

Bestellnr. T43105150B

Gerät im Karton, Mundstücke 3.0 - 5.0



Eine professionelle Blindnietzange für leichte und kleine Montagearbeiten, bei welcher durch die eingebaute Übertragung ein leichter Betrieb garantiert wird.

Arbeitsbereich: **2.4 - 5.0 mm alle Materialien**  
Gewicht: 0,7 kg  
Länge: 255 mm  
Zangengehäuse: Aluminium  
Griff: Stahl

## MFX 150B im Koffer

Bestellnr. T43105150BS

Gerät im Alu-Koffer, Mundstücke 3.0 - 5.0,  
Alu/Stahl-Niete-Sortiment



Eine professionelle Blindnietzange für leichte und kleine Montagearbeiten, bei welcher durch die eingebaute Übertragung ein leichter Betrieb garantiert wird.

Arbeitsbereich: **2.4 - 5.0 mm alle Materialien**  
Gewicht: 0,7 kg  
Länge: 255 mm  
Zangengehäuse: Aluminium  
Griff: Stahl

## POP TT55D

Bestellnr. TT55D

Gerät im Karton, Mundstücke 2.4, 3.2 und 4.0



Die Klassische, ein robustes Leichtgewicht.  
Einfache Wartung, alle Ersatzteile verfügbar!

Arbeitsbereich: **2.4 - 4.0 mm alle Materialien**  
Gewicht: 0,4 kg  
Länge: 229 mm

## MFX 260

Bestellnr. T43106260

Gerät im Karton, Mundstücke 2.4 bis 5.0

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Ein professionelles Hebelnietgerät für alle Niet-Durchmesser. Durch das verstellbare Mundstück kann die Position des Bruchmoments der Blindniete eingestellt werden, wodurch die Montage der Blindniete kontrolliert erfolgen kann.

Arbeitsbereich: **3.0 - 6.4 mm Aluminium**

Gewicht: 1,8 kg

Länge: 500 mm

Griff: Stahl

## MFX 280

Bestellnr. T43108280

Gerät im Karton, alle Mundstücke

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Ein professionelles Hebelnietgerät mit verstellbaren Hebeln für mehr Kraft. Durch das ebenfalls verstellbare Mundstück kann die Position des Bruchmoments der Blindniete eingestellt werden, wodurch die Montage der Blindniete kontrolliert erfolgen kann.

Arbeitsbereich: **4.0 - 6.4 mm alle Materialien**

**4.8 - 6.5 mm Schwerlastniete**

Gewicht: 2,5 kg

Länge: 660 mm

Griff: Stahl

## AIR POWER 1 komplett

Bestellnr. MAP1

Gerät im Karton, Nietausrüstung, Mundstücke 3.0 - 5.0



Professionelles hydraulisches/pneumatisches Blindniet-Setzwerkzeug mit Stiftabsaugung und Multifunktionsabzug, besonders geeignet für den industriellen Einsatz.

Extrem leicht und extrem leistungstark!

Arbeitsbereich: **2.4 - 5.0 mm alle Materialien**

Gewicht: 1,25 kg

Länge: 272 mm x 264 mm x 99 mm

Hub: 17 mm

Arbeitsdruck: 5-7 Bar

Zugkraft: 7,3 kN

## AIR POWER 2 komplett

Bestellnr. MAP2

Gerät im Karton, Nietausrüstung, alle Mundstücke



Professionelles hydraulisches/pneumatisches Blindniet-Setzwerkzeug mit Stiftabsaugung und Multifunktionsabzug, besonders geeignet für den industriellen Einsatz.

Extrem leicht und extrem leistungstark!

Arbeitsbereich: **4.0 - 6.4 mm alle Materialien**

Gewicht: 1,65 kg

Länge: 272 mm x 275 mm x 120 mm

Hub: 21 mm

Arbeitsdruck: 5-7 Bar

Zugkraft: 12,5 kN

## POP-AVDEL PROSET XT Reihe



Die neue Werkzeugreihe "POP-AVDEL Proset XT" besitzt zahlreiche innovative Hochleistungsmerkmale, darunter ein patentiertes "Quick Disconnect"-Mundstück und -Spannbackengehäuse, das die schnelle und werkzeuglose Reinigung und Wartung der Ausrüstung ermöglicht.

Das schnell lösbare Mandrel Collection System (MCS) sammelt abgerissene Dorne auf sichere Weise, um sie schnell und einfach entsorgen zu können und den Arbeitsbereich sauber zu halten. Ein Schalter zur Abtrennung der Luftzufuhr am MCS verhindert, dass bei abgenommenen MCS Luft strömt. Ein um 90° nach links oder rechts schwenkbarer Luftanschluß sorgt dafür, dass die Werkzeuge an praktisch jede Arbeitsplatzkonfiguration anpassbar sind, während der "Ein/Aus"-Schalter den Luftverbrauch und die Geräusentwicklung minimiert.

### Leistung

- hohes Kraft-Gewicht-Verhältnis
- schnelles Trennen von Mundstück und Spannbackengehäuse
- durchsichtige Dornkollektorflasche mit Schnellverschluss
- integrierte Entlüftungsventile für schnelle Setzzyklen

### Ergonomisch

- klassenbeste, leichte Konstruktion mit ausgewogenem Griff
- bequemer Auslöser, der nur wenig Aktivierungskraft benötigt
- verstellbare Entlüftungsrichtung

### Wirtschaftlich & sicher

- Schalter zur Abtrennung der Luftzufuhr, wenn das MCS abgenommen wird
- ein-/ausschaltbarer, nach links oder rechts schwenkbarer Luftanschluß





## POP-AVDEL PROSET XT1 komplett

Bestellnr. 76001-00001

Gerät im Karton, Nietausrüstung, alle Mundstücke

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Das "Leichtgewicht"

Arbeitsbereich: **2.4 bis 4.0 mm alle Materialien**

Gewicht: 1,17 kg

Hub: 18 mm

Arbeitsdruck: 5-7 Bar

Zugkraft: 6,5 kN

Zykluszeit (circa): 0,4 Sek

Geräuschpegel: 77,95 dB(A)

## POP-AVDEL PROSET XT2 komplett

Bestellnr. 76002-00001

Gerät im Karton, Nietausrüstung, alle Mundstücke

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Die "Flexible"

Arbeitsbereich: **3.0 bis 5.0 mm alle Materialien  
auch für 4.8 mm Monobolt**

Gewicht: 1,26 kg

Hub: 20 mm

Arbeitsdruck: 5-7 Bar

Zugkraft: 8,9 kN

Zykluszeit (circa): 0,6 Sek

Geräuschpegel: 77,1 dB(A)

## POP-AVDEL PROSET XT3 komplett

Bestellnr. 76003-00001

Gerät im Karton, Nietausrüstung, Mundstücke 4.8 und 6.4



Der "Leistungsträger"

Arbeitsbereich: **4.0 bis 6.4 mm alle Materialien**  
**auch für 4.8 mm Avdelok und 4.8 / 6.4 Monobolt**  
**auch für 6.4 mm Avinox**

Gewicht: 2,14 kg  
Hub: 26 mm  
Arbeitsdruck: 5-7 Bar  
Zugkraft: 17,0 kN  
Zykluszeit (circa): 0,9 Sek  
Geräuschpegel: 78,4 dB(A)

## POP-AVDEL PROSET XT4 komplett

Bestellnr. 76004-00001

Gerät im Karton, Nietausrüstung, Mundstücke 4.8 und 6.4



Die "Mächtige"

Arbeitsbereich: **4.0 bis 6.4 mm alle Materialien**  
**auch für 4.8 mm Avdelok und 6.4 mm Avinox,**  
**auch für 10 mm Avtainer**

Gewicht: 2,16 kg  
Hub: 18 mm  
Arbeitsdruck: 5-7 Bar  
Zugkraft: 23,0 kN  
Zykluszeit (circa): 1,0 Sek  
Geräuschpegel: 77,9 dB(A)

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AUCH ERHÄLTlich

(zum jeweils gleichen Preis wie mit Standard-Ausrüstung):

**XT3 komplett ausgerüstet für MONOBOLT -> 7600300001M**

**XT4 komplett ausgerüstet für HEMLOK -> 7600400001H**

**Bei speziellen Anforderungen empfehlen wir Ihnen mit unseren  
Spezialisten Rücksprache zu nehmen!**

## QR64XL Akku komplett

Bestellnr. QR64XL

Gerät im Kunststoff-Koffer, alle Mundstücke, 2x Schnellwechselakku 2.0 Ah Li-Ion 20V und Ladegerät



### ALL-IN-ONE extra starkes Blindnietsetzgerät mit 20V Akku

- inkl. 2x Akku 20V / 2,0 Ah Li-Ion mit Ladezustandskontrolle
- inkl. Schnellladegerät 100-240V/50-60Hz
- inkl. Mundstücke 2.4 - 6.4 mm für Blindniete und 4.8 - 6.4 mm Schwerbefestiger (Monobolt)
- inkl. Koffer
- bürstenloser Gleichstrommotor (BLDC)
- ergonomischer Soft-Griff, einzigartiges Design

Arbeitsbereich: **2.4 bis 6.4 mm alle Materialien**  
**auch für MONOBOLT, INTERLOCK, HEMLOK**

Setzkraft: 20.000 N

Gerätehub: 27 mm

Gewicht: **1,72 kg** inkl. Akku



## MFX 306 Blister

Bestellnr. T43206306BL

Gerät in Blisterverp., alle Umrüstsätze, Muttern-Sortiment



Eine kompakte und praktische Handzange mit einem Hebelbetrieb, der in Kombination mit der Hubeinstellung dafür sorgt, daß jede Blindnietmutter mit gleicher Kraft montiert wird.

Arbeitsbereich: **M3 - M6 Stahl**  
Gewicht: 0,5 kg  
Länge: 190 mm  
Zangengehäuse: Stahl  
Griff: Stahl

## MFX 360 im Koffer

Bestellnr. T43206360S

Gerät im Alu-Koffer, alle Umrüstsätze, Muttern-Sortiment



Ein kräftiges und robustes Werkzeug. Der Hebelbetrieb in Kombination mit der Hubeinstellung sorgt dafür, dass jede Blindnietmutter mit gleicher Kraft montiert wird.

Arbeitsbereich: **M3 - M6 Stahl, Blindnietschrauben**  
Gewicht: 0,8 kg  
Länge: 280 mm  
Zangengehäuse: Aluminium  
Griff: Stahl

## MFX 612 im Koffer

Bestellnr. T43212612

Gerät im Alu-Koffer, alle Umrüstsätze



DIE Ratsche für Blindnietmutter. Besonders geeignet für den Einsatz an schwer zugänglichen Stellen. Ein Schnellwechselsystem ermöglicht den Austausch der Dorne in Sekunden und ohne Werkzeuge.

Arbeitsbereich: **M6 - M12 alle Materialien,  
M5 - M8 Blindnietschrauben**  
Gewicht: 1,1 kg  
Länge: 210 mm  
Zangengehäuse: Stahl  
Griff: Stahl

## MFX 510 im Koffer

Bestellnr. T43210510C

Gerät im Alu-Koffer, alle Umrüstsätze



Besonders für die serienmäßige Verarbeitung von Blindnietmutter bzw. -schrauben im Montagebereich geeignet. Der Hebelbetrieb in Kombination mit der Hubeinstellung sorgt dafür, dass jede Blindnietmutter mit gleicher Kraft montiert wird. Inklusive **Schnellwechselsystem**.

Arbeitsbereich: **M5 - M10 Stahl,  
M5 - M8 Blindnietschrauben**  
Gewicht: 2,2 kg  
Länge: 555 mm  
Zangengehäuse: ABS mit Stahleinlage  
Griff: Stahl

## MFX 511 im Koffer

Bestellnr. T43210511C

Gerät im Alu-Koffer, alle Umrüstsätze



Die MFX510 mit einer zusätzlichen **Schnellzugspindel zum schnelleren Auf und Abschrauben** für die schnellere Verarbeitung. Inklusive **Schnellwechselsystem**.

Arbeitsbereich: **M5 - M10 Stahl,  
M5 - M8 Blindnietschrauben**  
Gewicht: 2,2 kg  
Länge: 555 mm  
Zangengehäuse: ABS mit Stahleinlage  
Griff: Stahl

## MFX EZM-12 im Koffer

Bestellnr. T432EZM12

Gerät im Alu-Koffer, alle Umrüstsätze



Eine einzigartige und kraftvolle Handzange mit patentierter Kraftübertragung, inkl. **Schnellwechselsystem**.

Arbeitsbereich: **M5 - M12 alle Materialien**  
Gewicht: 2,5 kg  
Länge: 555 mm  
Zangengehäuse: Aluminium  
Griff: Stahl

## AVDEL 742

Bestellnr. 74200-12000

Basisgerät im Karton



AVDEL's schnellstes Verarbeitungsgerät. Empfohlen für größere Blindnietmutter und ideal für Anwendungen in der Kleinserie oder Montagelinie.

- Schlagfestes Kunststoffgehäuse und langlebige Komponenten
- Geringes Gewicht und ergonomische Konstruktion
- Weggesteuert - neueste Technologie
- 1-Stufen-Auslöser
- Kann handgeführt oder aufgehängt werden

### Vorteile

- Ideal für anspruchsvolle Produktionsumgebungen
- Schnelle und einfache Handhabung
- Reduziert Ermüdungserscheinungen
- Gesteigerte Produktivität
- Großer Verarbeitungsbereich
- Sichere und genaue Einbringung von Gewinden

Arbeitsbereich: **M3 - M12 mm Stahl,**  
**M3 - M10 Edelstahl**

Gewicht: 2,20 kg  
Hub: 7 mm  
Arbeitsdruck: 5-7 Bar  
Setzkraft: 19,1 kN

Zusätzlich erhältlich, die Ausrüstung für alle Standard-Muttern:

**M3 -> 7555-9883**

**M8 -> 7555-9888**

**M4 -> 7555-9884**

**M10 -> 7555-9880**

**M5 -> 7555-9885**

**M12 -> 74200-09882 (nur für Gerät 742)**

**M6 -> 7555-98869884**

**M12 -> 7555-9882 (nur für Gerät 7555)**

## POP-AVDEL ProSert XTN20 komplett

Bestellnr. 74202-00001

Gerät im Karton, alle Umrüstsätze M4 - M8



Arbeitsbereich: **M3 - M10 mm Stahl, M3 - M6 Edelstahl**  
Gewicht: 1,59 kg  
Hub: 3-7 mm  
Arbeitsdruck: 5-7 Bar  
Zugkraft: 17,65 kN

POP-AVDEL's extrem schnelles, leichtes Werkzeug mit großer Kraft, Ausdauer, hervorragender Ergonomie und optimaler Flexibilität, geschaffen - nach neuesten und höchsten Standards der Werkzeugherstellung. Die duale Betriebstechnologie sorgt für optimierte Produktivität, so dass die Installationskosten pro Befestigungselement sinken.

- Flexibel in beiden Betriebsarten: Kraft- oder Wegsteuerung
- Hohes Kraft-Gewicht-Verhältnis von 11,1 kN/kg
- Haltbare und hochfeste Ziehschrauben als Standard
- Langlebige Hydrauliklippendichtungen verlängern die Wartungsintervalle
- Praktische Ausspindel-Taste
- Werkzeugloses, patentiertes, schnell und einfach zu montierendes Ziehschraubensystem

### Vorteile

- Leichter -> Gewicht inkl. Mundstück (-27% als Wettbewerb)
- Stärker -> Kraft-Gewicht-Verhältnis kN/kg (+131% als Wettbewerb)
- Schneller -> Taktzeit für Setzvorgang in Sek. (+52% als Wettbewerb)

## AIR POWER 4N komplett

Bestellnr. MAP4N

Gerät im Karton, alle Umrüstsätze M4 - M8



Ein professionelles, hydraulisch-pneumatisches Blindnietmutter-Setzwerkzeug mit automatischem Rechts- und Linksbetrieb, besonders geeignet für den industriellen Einsatz.

- extrem leicht
- extrem leistungsstark
- Schnellwechselsystem (Dornwechsel ohne Werkzeug)
- Luftanschluß 360° drehbar
- zusätzlicher Ausdrehknopf

Arbeitsbereich: **M3 - M12 mm Stahl,**  
**M3 - M10 Edelstahl**  
Gewicht: 1,60 kg  
Länge: 270 mm x 264 mm x 99 mm  
Hub: 7 mm  
Arbeitsdruck: 5-7 Bar  
Zugkraft: 18,7 kN

## QN12XL Akku komplett

Bestellnr. QN12XL

Gerät im Kunststoff-Koffer, alle Ausrüstung M4-M12, 2x Schnellwechselakku 2.0 Ah Li-Ion 20V und Ladegerät



### ALL-IN-ONE Setzgerät für Blindnietmuttern mit 20V Akku

- inkl. 2x Akku 20V / 2,0 Ah Li-Ion mit Ladezustandskontrolle
- inkl. Schnellladegerät 100-240V/50-60Hz
- inkl. Ausrüstung M4 - M12
- inkl. Koffer
- optional: Ausrüstung für M3 und Blindnietmutter M5, M6, M8
- bürstenloser Gleichstrommotor (BLDC)
- Schnellwechselsystem für Gewindedorne
- innovative digitale Anzeige von Setzhub, Stückzahl und Service Funktionen
- Notfallknopf zum Lösen des Gewindedornes
- ergonomischer Soft-Griff, einzigartiges Design

Arbeitsbereich: **M3 - M12 mm Edelstahl**  
Hub: 10 mm  
Setzkraft: 25,0 kN  
Gewicht: **2,10 kg** inkl. Akku









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