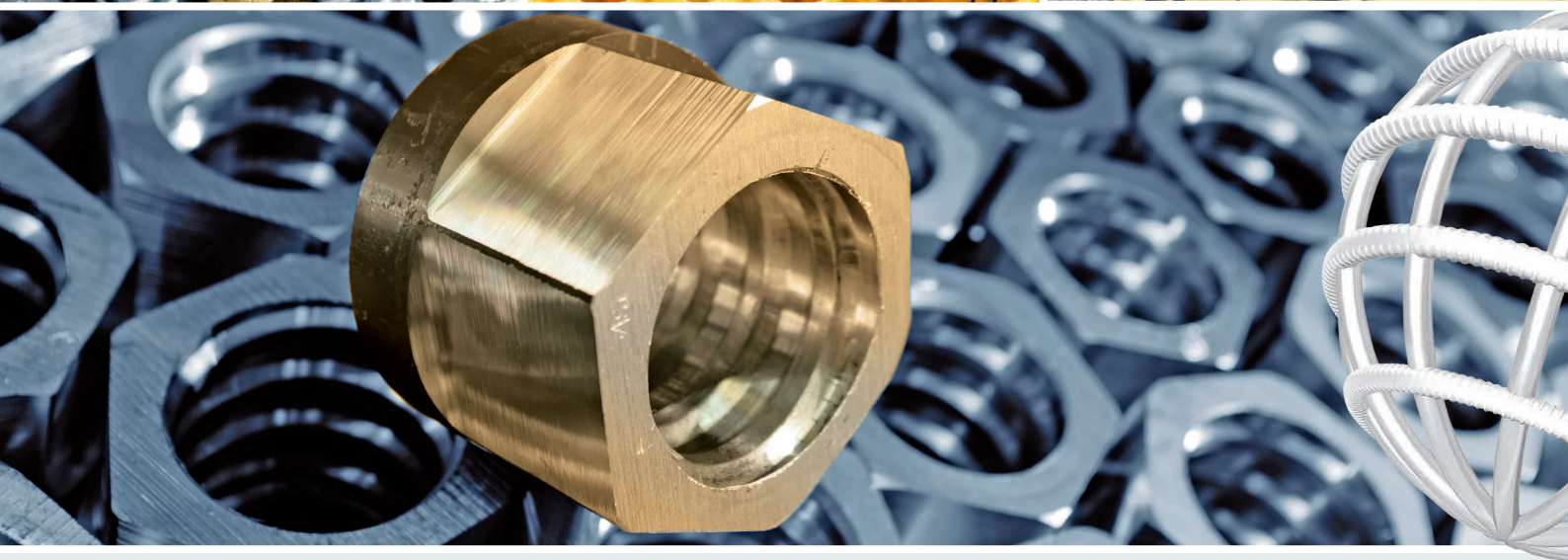


Katalog / catalogue

SAS 500 / 550 Ø 12 - 50 mm + 75 mm

SAS 555 / 700 Ø 57,5 mm + 63,5 mm

SAS 550 Ø 12 - 50 mm



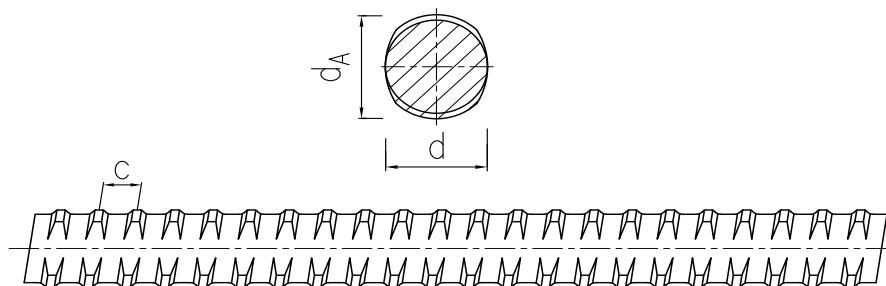
SAS SYSTEMS

SAS Gewindestäbe

SAS thread bars

SAS 500 / 550 Ø 15 - 50 mm + 75 mm

SAS 555 / 700 Ø 57,5 mm + 63,5 mm



SAS Gewindestab

warmgewalzt, Rippenstahl - linksgängig

SAS thread bar

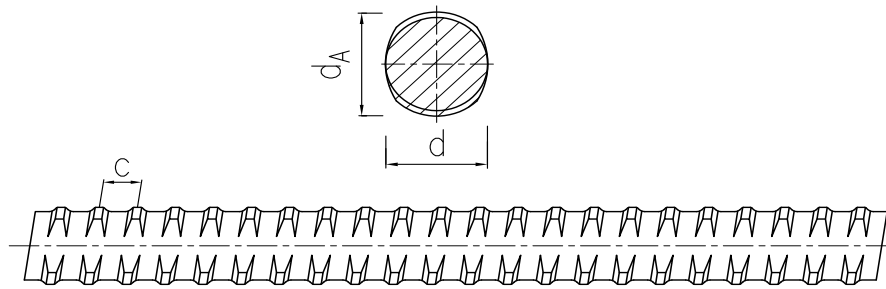
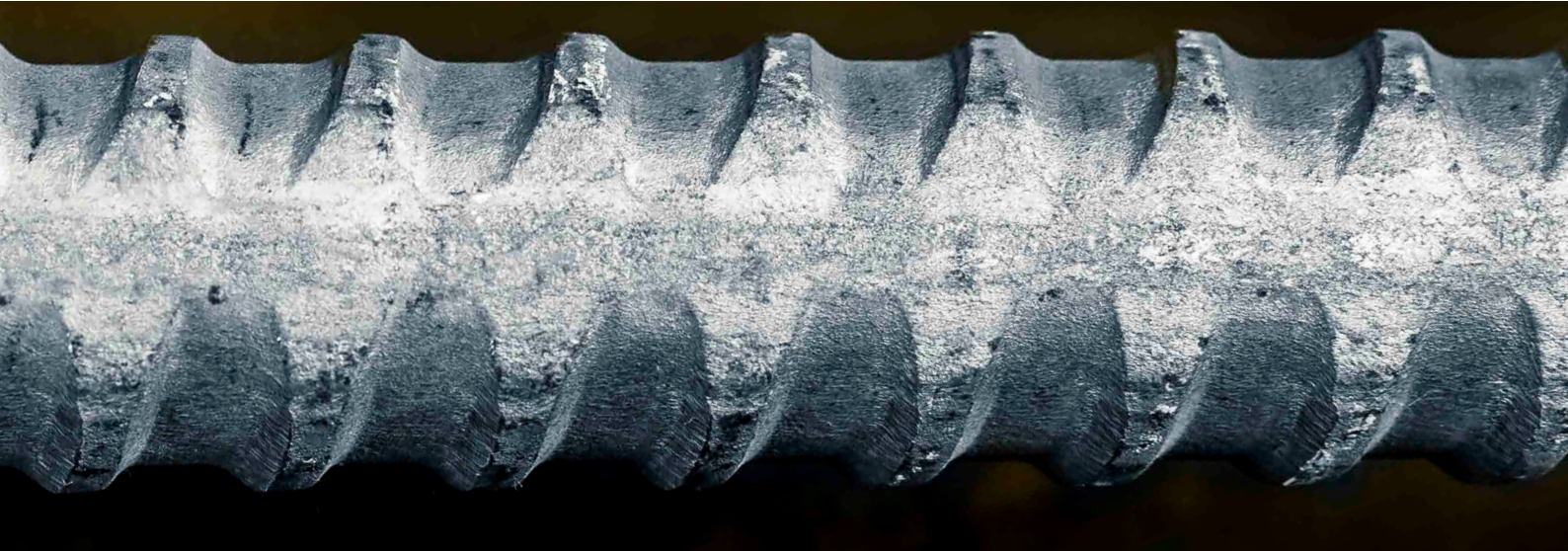
hot rolled, ribbed - left hand thread

d	[mm]	12	14	16	20	25	28	32	40	50	57,5	63,5	75
max d _A	[mm]	14	16	19	23	29	32	36	45	56	63	70	82
c	[mm]	7	7,5	8	10	12,5	14	16	20	26	20	21	24
f _{yk} (f _{0,2k}) / f _{tk} / A ₁₀ ¹⁾		500 N/mm ² / 550 N/mm ² / ≥ 6 %									555 N/mm ² 700 N/mm ² ≥ 5 %	500 N/mm ² 550 N/mm ² ≥ 5 %	
F _{yk} (F _{0,2k})	[kN]	57	77	100	160	245	310	405	630	980	1441	1760	2209
F _{tk}	[kN]	62	85	110	175	270	340	440	690	1080	1818	2215	2430
A	[mm ²]	113	154	201	314	491	616	804	1260	1960	2597	3167	4418
G	[kg/m]	0,89	1,21	1,58	2,47	3,85	4,83	6,31	9,87	15,40	20,38	24,86	34,68

¹⁾ Prozentuale Gesamtdehnung bei Höchstlast / percentage total elongation at maximum force

Die Gewichtsangaben von Stab und Zubehör sind Mittelwerte. Die tatsächlichen Gewichte können auf Grund von Fertigungstoleranzen abweichen. / Weight specifications of bar and accessories are average values. The actual values may deviate due to fabrication tolerances.

SAS 550 Ø 12 - 50 mm



SAS Gewindestab

warmgewalzt, Rippenstahl - linksgängig

SAS thread bar

hot rolled, ribbed - left hand thread

d	[mm]	12	14	16	20	25	26	28	30	32	36	40	50
max d _A	[mm]	14	16	19	23	29	30	32	34	36	41	45	56
c	[mm]	7	7,5	8	10	12,5	13	14	15	16	18	20	26
f _{yk} (f _{0,2k}) / A ₁₀ ¹⁾		550 N/mm ² ≥ 6 %											
F _{yk} (F _{0,2k})	[kN]	62	85	110	175	270	290	340	390	440	560	690	1080
F _{tk} = 1,08 x F _{yk}	[kN]	67	92	119	189	292	313	367	421	475	605	745	1166
A	[mm ²]	113	154	201	314	491	531	616	707	804	1020	1260	1960
G	[kg/m]	0,89	1,21	1,58	2,47	3,85	4,17	4,83	5,55	6,31	7,99	9,87	15,40

¹⁾ Prozentuale Gesamtdehnung bei Höchstlast / *percentage total elongation at maximum force*



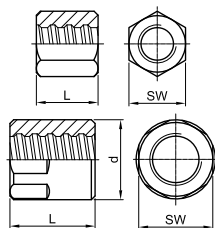
SAS Projekt: Ten Park Museum, Miami, USA
SAS project: Ten Park Museum, Miami, USA



Zubehör / accessories

SAS SYSTEMS

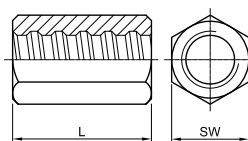
Ankermutter gerade anchor nut flat



Ø [mm]

SW x L x d [mm] [kg]

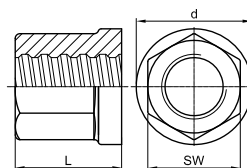
Ankermutter lang anchor nut long



SW x L [mm]

[kg]

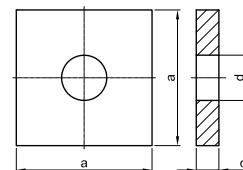
Ankermutter mit Bund anchor nut with flange



SW x L x d [mm]

[kg]

Ankerplatte gerade anchor plate flat



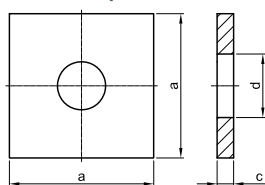
a x c x d [mm]

[kg]

	T 2002		T 2024		T 2163		T 2139	
12	22 x 25	0,05	22 x 35	0,08	-	-	50 x 8 x 16	0,14
14	27 x 35	0,12	27 x 45	0,17	-	-	50 x 8 x 18	0,14
16	32 x 40	0,20	32 x 50	0,25	-	-	50 x 8 x 20	0,15
20	36 x 45	0,26	32 x 65	0,26	-	-	70 x 10 x 25	0,33
25	41 x 50	0,34	41 x 75	0,51	-	-	70 x 10 x 30	0,35
26	46 x 50	0,45	41 x 80	0,48	-	-	70 x 10 x 33	0,47
28	46 x 55	0,48	41 x 85	0,44	-	-	100 x 12 x 33	0,86
30	50 x 60	0,65	46 x 90	0,77	-	-	120 x 20 x 36	1,87
32	55 x 60	0,78	50 x 90	0,86	-	-	120 x 20 x 40	2,06
36	60 x 65	1,00	55 x 95	1,17	-	-	150 x 30 x 44	4,50
40	65 x 70	1,19	60 x 100	1,27	65 x 70 x 85	1,42	150 x 30 x 47	4,95
50	80 x 90	2,17	80 x 120	2,92	80 x 85 x 100	2,48	190 x 45 x 58	11,82
57,5	90 x 100 x 102	3,69	-	-	90 x 100 x 110	3,50	220 x 50 x 67	17,69
63,5	100 x 115 x 108	4,72	-	-	100 x 115 x 125	5,05	245 x 50 x 70	22,37
75	100 x 100 x 108	2,99	-	-	100 x 120 x 115	4,15	275 x 65 x 86	35,62

SAS SYSTEMS

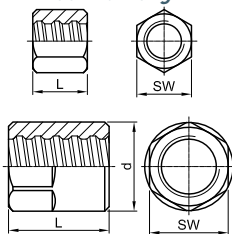
Ankerplatte gerade klein anchor plate flat small



Ø [mm]

a x c x d [mm] [kg]

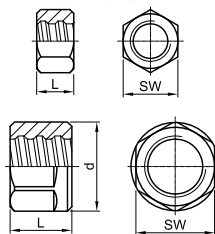
Kontermutter lang lock nut long



SW x L x d [mm]

[kg]

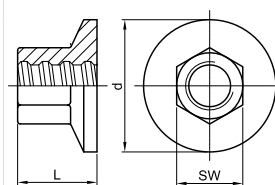
Kontermutter kurz lock nut short



SW x L x d [mm]

[kg]

Ankerstück anchor piece

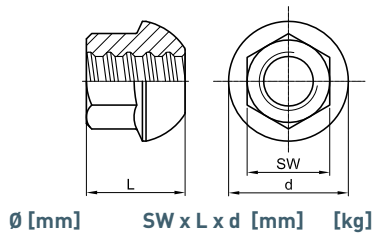


SW x L x d [mm]

[kg]

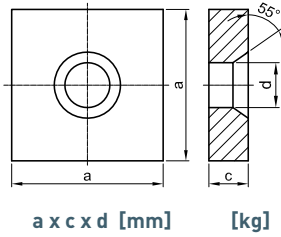
	T 2008		T 2003		T 2040		T 2073	
12	-	-	19 x 20	0,03	19 x 13	0,03	-	-
14	-	-	27 x 25	0,08	27 x 15	0,06	-	-
16	-	-	32 x 30	0,15	32 x 20	0,10	30 x 33 x 50	0,19
20	-	-	32 x 40	0,16	32 x 20	0,08	36 x 40 x 65	0,36
25	-	-	41 x 40	0,25	41 x 20	0,14	41 x 45 x 70	0,50
26	-	-	41 x 45	0,26	41 x 25	0,15	41 x 50 x 90	0,70
28	-	-	41 x 45	0,26	41 x 25	0,15	46 x 50 x 90	0,77
30	-	-	50 x 50	0,52	50 x 30	0,28	50 x 55 x 95	1,00
32	-	-	50 x 50	0,47	50 x 30	0,28	50 x 60 x 100	1,34
36	-	-	55 x 55	0,61	55 x 30	0,37	60 x 65 x 110	1,70
40	120 x 17 x 45	1,69	60 x 65	0,83	60 x 35	0,45	65 x 70 x 120	1,89
50	150 x 20 x 58	3,12	80 x 80	1,94	80 x 50	1,21	80 x 85 x 150	3,38
57,5	-	-	90 x 80 x 102	2,87	90 x 60 x 102	2,08	90 x 100 x 175	5,55
63,5	-	-	90 x 115 x 102	3,55	90 x 75 x 102	2,18	100 x 115 x 250	11,50
75	-	-	100 x 80 x 108	2,37	100 x 80 x 108	2,12	120 x 120 x 220	11,24

SAS SYSTEMS Kugelbundmutter 55° domed nut 55°



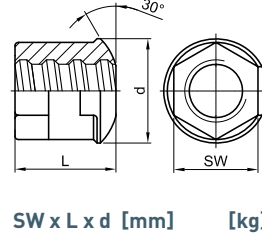
Ø [mm] SW x L x d [mm] [kg]

Ankerplatte Konus 55° anchor plate cone 55°



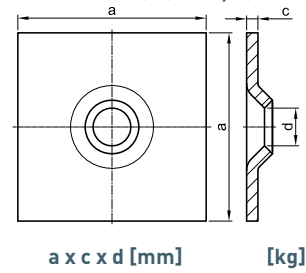
a x c x d [mm] [kg]

Kalottenmutter 30° dome nut 30°



SW x L x d [mm] [kg]

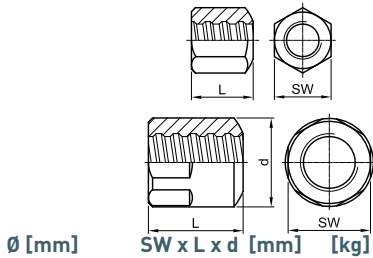
Ankerplatte ballig 30°/55° domed washer 30°/55°



a x c x d [mm] [kg]

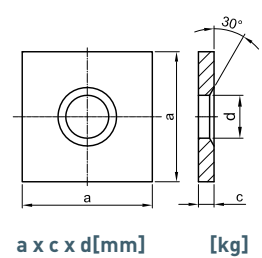
	T 2044		T 2011		T 2944		T 2132	
12	-	-	-	-	30 x 33 x 40	0,20	-	-
14	-	-	-	-	30 x 33 x 40	0,20	-	-
16	27 x 33 x 35	0,11	50 x 10 x 25	0,15	30 x 33 x 40	0,20	150 x 10 x 22	1,75
20	36 x 42 x 49	0,30	70 x 12 x 30	0,37	36 x 40 x 51	0,29	150 x 10 x 26	1,65
25	41 x 45 x 55	0,35	70 x 12 x 35	0,34	41 x 45 x 54	0,32	150 x 10 x 34	1,60
26	-	-	-	-	-	-	-	-
28	41 x 54 x 62	0,45	100 x 20 x 40	1,33	41 x 50 x 58	0,38	200 x 10 x 34	3,05
30	-	-	-	-	-	-	-	-
32	46 x 57 x 70	0,60	120 x 20 x 52	1,91	50 x 60 x 62	0,63	200 x 12 x 40	3,65
36	-	-	-	-	-	-	-	-
40	60 x 70 x 88	1,50	150 x 30 x 65	4,48	65 x 70 x 85	1,47	-	-
50	80 x 85 x 107	2,80	190 x 45 x 83	10,78	80 x 85 x 100	2,45	-	-
57,5	90 x 100 x 120	3,79	220 x 50 x 92	16,25	-	-	-	-
63,5	100 x 115 x 144	5,51	245 x 50 x 104	20,09	100 x 115 x 125	4,87	-	-
75	100 x 120 x 160	6,62	275 x 65 x 118	32,60	-	-	-	-

SAS SYSTEMS Ankermutter ballig 30° bull nose nut 30°



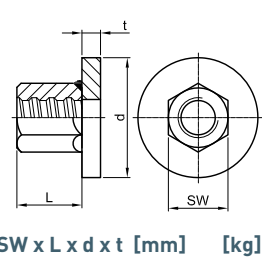
Ø [mm] SW x L x d [mm] [kg]

Ankerplatte Konus 30° anchor plate cone 30°



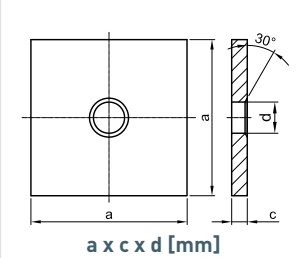
a x c x d [mm] [kg]

Ankerstück geschweißt anchor piece welded



SW x L x d x t [mm] [kg]

Ankerplatte Konus 30° groß anchor plate cone 30° big



a x c x d [mm] [kg]

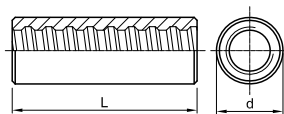
	T 2963		T 1928		T 2973		T 2928	
12	22 x 25	0,09	50 x 8 x 20	0,13	-	-	-	-
14	27 x 35	0,14	50 x 8 x 20	0,13	-	-	-	-
16	32 x 40	0,18	50 x 8 x 20	0,13	-	-	-	-
20	36 x 45	0,25	70 x 10 x 25	0,32	-	-	-	-
25	41 x 50	0,33	70 x 10 x 30	0,34	-	-	-	-
26	46 x 50	0,42	70 x 10 x 33	0,41	-	-	-	-
28	46 x 55	0,47	100 x 12 x 33	0,85	-	-	200 x 20 x 33	6,15
30	50 x 60	0,61	120 x 20 x 36	1,95	-	-	-	-
32	55 x 60	0,75	120 x 20 x 40	2,06	-	-	200 x 20 x 40	6,10
36	60 x 65	0,94	150 x 30 x 44	4,29	-	-	-	-
40	65 x 70	1,15	150 x 30 x 47	4,56	65 x 70 x 120 x 17	-	-	-
50	80 x 90	2,10	190 x 45 x 58	11,90	80 x 90 x 150 x 20	-	-	-
57,5	90 x 100 x 102	3,50	220 x 50 x 67	17,45	90 x 100 x 175 x 30	-	-	-
63,5	100 x 115 x 108	4,65	245 x 50 x 70	21,54	100 x 115 x 250 x 30	14,50	-	-
75	100 x 100 x 108	2,90	275 x 65 x 86	35,53	-	-	-	-

Zubehör

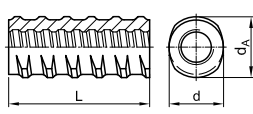
accessories

SAS SYSTEMS

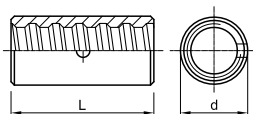
Muffe standard
coupler standard



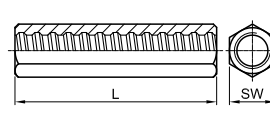
Gewindestahlmuffe
thread bar coupler



Kontaktmuffe
contact coupler



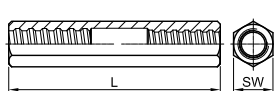
Sechskantmuffe lang
hexagonal coupler long



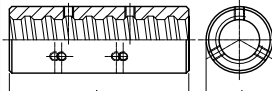
Ø [mm]	d x L	[kg]	d x dA x L [mm]	[kg]	d x L [mm]	[kg]	SW x L [mm]	[kg]
T 3003			T 3087		T 3006		T 3010	
12	22 x 60	0,11	-	-	-	-	22 x 80	0,17
14	27 x 75	0,22	-	-	-	-	27 x 100	0,34
16	32 x 90	0,37	26,5 x 31 x 90	0,27	-	-	32 x 120	0,59
20	36 x 105	0,52	32 x 37 x 105	0,40	32 x 70	0,22	32 x 140	0,54
25	40 x 115	0,61	40 x 46 x 115	0,68	36 x 80	0,30	41 x 160	1,08
26	45 x 120	0,91	47 x 53 x 120	1,13	36 x 80	0,26	41 x 170	1,08
28	45 x 125	0,85	47 x 53 x 125	1,09	40 x 85	0,34	41 x 180	1,02
30	50 x 135	1,19	47 x 53 x 135	1,10	45 x 90	0,46	50 x 180	1,71
32	52 x 140	1,32	57 x 64 x 140	1,92	45 x 90	0,46	50 x 180	1,71
36	60 x 150	1,92	57 x 64 x 150	1,78	50 x 120	0,73	60 x 180	2,75
40	65 x 160	2,34	65 x 72 x 160	2,52	54 x 120	0,82	65 x 210	3,58
50	80 x 200	4,49	-	-	63 x 160	1,09	80 x 240	6,12
57,5	102 x 230	9,51	-	-	80 x 170	2,92	-	-
63,5	102 x 260	9,41	-	-	90 x 200	4,16	-	-
75	108 x 240	8,01	-	-	102 x 210	5,33	-	-

SAS SYSTEMS

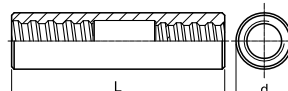
Reduziermuffe lang
reducing coupler long



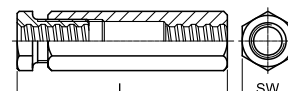
Muffe mit Drehsicherung
coupler with set screws



Reduziermuffe
reducing coupler



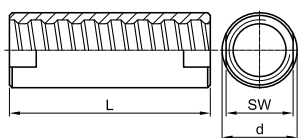
Spannschloss
tensioning lock



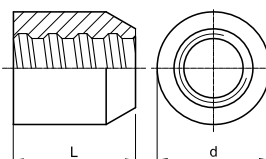
Ø [mm]	Ø x SW x L [mm]	[kg]	d x L [mm]	[kg]	Ø x d x L [mm]	[kg]	SW x ~L [mm]	[kg]
T 3012			T 3020		T 3102		T 3105	
12	-	-	-	-	-	-	32 x 130	0,62
14	-	-	-	-	-	-	32 x 140	0,69
16	16/14 x 32 x 120	0,62	-	-	16/14 x 32 x 120	0,55	36 x 150	0,92
20	20/16 x 32 x 140	0,65	-	-	20/16 x 36 x 130	0,67	41 x 175	1,12
25	25/20 x 41 x 175	1,33	-	-	25/20 x 40 x 150	1,00	46 x 190	1,42
26	26/20 x 41 x 175	1,31	-	-	26/20 x 40 x 155	1,10	50 x 205	1,83
28	28/25 x 41 x 220	1,80	-	-	28/25 x 45 x 170	1,24	50 x 205	1,78
30	30/26 x 50 x 225	2,35	-	-	30/25 x 50 x 180	1,71	60 x 225	2,92
32	32/28 x 50 x 230	2,41	52 x 140	1,35	32/28 x 52 x 180	1,80	60 x 225	2,87
36	36/32 x 60 x 245	3,10	60 x 150	2,00	36/32 x 60 x 235	2,91	70 x 250	5,20
40	40/32 x 65 x 260	5,00	65 x 160	2,35	40/32 x 65 x 240	3,90	80 x 270	6,60
50	50/40 x 80 x 290	7,48	80 x 200	4,50	50/40 x 80 x 240	6,00	100 x 310	15,66
57,5	-	-	102 x 230	9,45	57,5/50 x 90 x 280	7,99	100 x 325	17,72
63,5	-	-	102 x 260	9,50	63,5/57,5 x 102 x 310	11,56	100 x 390	22,21
75	-	-	108 x 240	8,02	75/63,5 x 108 x 310	11,37	100 x 330	16,09

SAS SYSTEMS

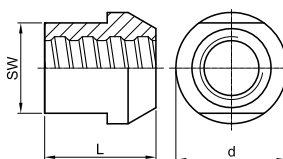
Muffe vergütet
coupler tempered



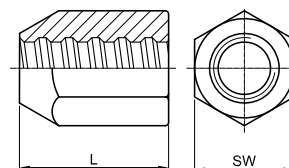
Anschweißstück
welding bolt



Anschweißstück mit Schlüsselfläche
welding bolt with wrench flat



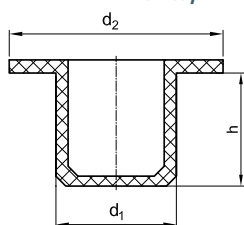
Anschweißstück SW
welding bolt hexagonal



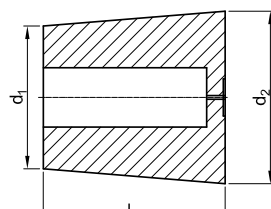
Ø [mm]	SW x d x L [mm]	[kg]	d x L [mm]	[kg]	SW x L x d [mm]	[kg]	SW x L [mm]	[kg]
T 3927			T 3022		T 3024		T 3026	
12	-	-	30 x 30	0,18	-	-	32 x 40	0,21
14	-	-	36 x 40	0,23	-	-	36 x 50	0,34
16	-	-	40 x 45	0,33	-	-	41 x 55	0,48
20	-	-	45 x 50	0,42	-	-	46 x 65	0,70
25	-	-	50 x 55	0,72	-	-	50 x 75	0,89
26	-	-	50 x 55	0,72	-	-	50 x 70	0,98
28	-	-	55 x 60	0,94	-	-	55 x 85	1,15
30	-	-	60 x 65	1,10	-	-	60 x 90	1,31
32	-	-	60 x 65	1,10	-	-	60 x 90	1,31
36	-	-	70 x 70	1,45	-	-	70 x 95	1,70
40	50 x 56 x 150	1,65	80 x 80	2,59	65 x 80 x 80	1,96	80 x 100	2,60
50	60 x 70 x 180	2,14	90 x 90	2,65	80 x 100 x 90	2,64	90 x 120	4,04
57,5	-	-	102 x 100	3,65	-	-	90 x 120	4,04
63,5	80 x 95 x 230	6,13	114 x 120	6,75	-	-	100 x 120	5,60
75	-	-	-	-	-	-	-	-

SAS SYSTEMS

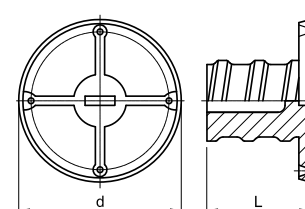
Verschlussstöpsel
inner cap



Aussparungskegel
recess cone



Nagelplatte
nail plate

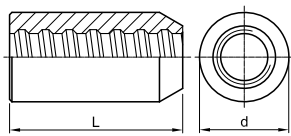


Ø [mm]	d ₁ x d ₂ x h [mm]	[kg]	d ₁ x d ₂ x L [mm]	[kg]	d x L [mm]	[kg]
T 5025			T 5050		T 5979	
12	12 x 19 x 7	0,001	36 x 42 x 40	0,023	36 x 20	0,005
14	14 x 19 x 7	0,001	41 x 49 x 49	0,035	42 x 20	0,007
16	16 x 25 x 9	0,001	48 x 85 x 64	0,042	48 x 25	0,010
20	20 x 25 x 9	0,001	50 x 62 x 74	0,078	48 x 30	0,012
25	25 x 30 x 9	0,001	63 x 76 x 78	0,108	58 x 30	0,019
26	26 x 31 x 9	0,002	-	-	58 x 35	0,019
28	28 x 35 x 9	0,002	74 x 89 x 89	0,132	58 x 40	0,023
30	30 x 35 x 9	0,002	-	-	68 x 45	0,034
32	32 x 37 x 9	0,003	77 x 93 x 98	0,181	68 x 45	0,034
36	36 x 42 x 9	0,003	-	-	-	-
40	40 x 48 x 10	0,004	-	-	-	-
50	50 x 58 x 10	0,005	-	-	-	-
57,5	-	-	-	-	-	-
63,5	64 x 74 x 10	0,006	-	-	-	-
75	-	-	-	-	-	-

Zubehör / accessories

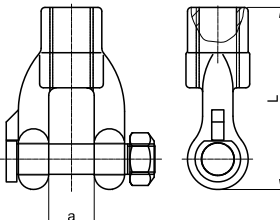
SAS SYSTEMS

Muffe angeschrägt
coupler chamfered



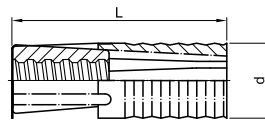
Ø [mm] d x L [mm] [kg]

Gabelstück
fork piece



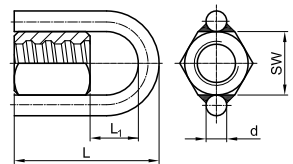
a x d x L [mm] [kg]

Spreizdübel
expansion shell



d x L [mm] [kg]

Ringmutter
ring nut



SW x L x L₁ x d [mm] [kg]

T 3901

T 2926

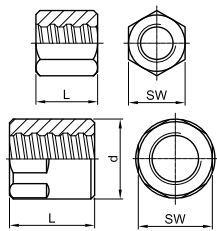
T 2136

T 2927

12	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-
16	-	-	-	-	32 x 92	0,22	32 x 110 x 54 x 16
20	36 x 105	0,42	30 x 20 x 120	1,17	39 x 110	0,45	36 x 120 x 59 x 16
25	40 x 115	0,50	30 x 20 x 120	1,10	49 x 120	0,63	41 x 130 x 64 x 16
26	-	-	-	-	-	-	-
28	45 x 125	0,74	-	-	49 x 120	0,57	46 x 145 x 74 x 16
30	-	-	-	-	-	-	-
32	52 x 140	1,22	-	-	59 x 150	1,02	55 x 165 x 89 x 16
36	-	-	-	-	-	-	-
40	-	-	-	-	-	-	65 x 194 x 103 x 20
50	-	-	-	-	-	-	79 x 234 x 122 x 20
57,5	-	-	-	-	-	-	90 x 256 x 136 x 20
63,5	-	-	-	-	-	-	100 x 280 x 144 x 20
75	-	-	-	-	-	-	-

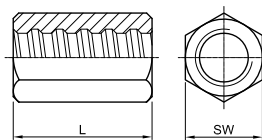
SAS SYSTEMS

Ankermutter EP gerade
anchor nut EP flat



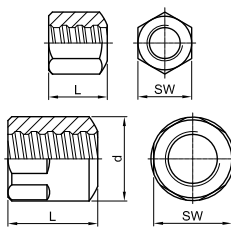
Ø [mm] SW x L x d [mm] [kg]

Ankermutter EP lang
anchor nut EP long



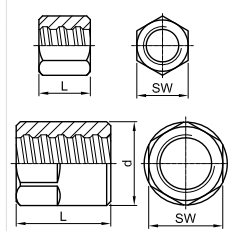
SW x L [mm] [kg]

Ankermutter EP ballig 30°
bull nose nut EP 30°



SW x L x d [mm] [kg]

Kontermutter EP lang
lock nut EP long



SW x L x d [mm] [kg]

T 2002 EP

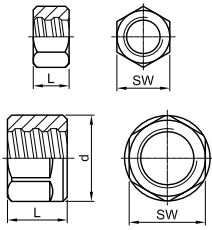
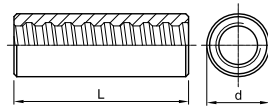
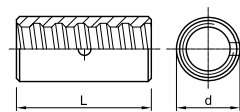
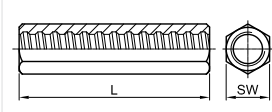
T 2024 EP

T 2963 EP

T 2003 EP

12	22 x 30	0,07	22 x 35	0,08	-	-	19 x 25	0,05
14	27 x 40	0,14	27 x 45	0,17	-	-	27 x 30	0,12
16	32 x 50	0,25	32 x 50	0,25	32 x 50	0,21	32 x 35	0,17
20	36 x 55	0,31	32 x 65	0,26	36 x 55	0,28	32 x 45	0,18
25	41 x 60	0,40	41 x 75	0,44	41 x 60	0,40	41 x 50	0,31
26	46 x 60	0,60	41 x 80	0,48	-	-	41 x 55	0,38
28	46 x 65	0,55	41 x 85	0,51	46 x 65	0,46	41 x 55	0,31
30	50 x 75	0,84	46 x 90	0,77	-	-	50 x 60	0,67
32	55 x 75	0,97	50 x 90	0,86	55 x 75	0,93	50 x 60	0,57
36	60 x 80	1,28	55 x 95	1,17	-	-	55 x 65	0,77
40	65 x 85	1,43	60 x 100	1,27	65 x 85	1,40	60 x 75	0,96
50	80 x 105	2,45	80 x 120	2,92	80 x 105	2,41	80 x 95	2,50
57,5	90 x 115 x 102	4,30	-	-	90 x 115 x 102	4,11	90 x 100 x 102	3,68
63,5	100 x 130 x 108	6,65	-	-	100 x 130 x 108	6,59	90 x 130 x 102	4,56
75	100 x 115 x 108	3,48	-	-	100 x 115 x 108	3,38	100 x 95 x 108	2,86

SAS SYSTEMS

Kontermutter EP kurz
lock nut EP short

Muffe EP standard
coupler EP standard

Kontaktmuffe EP
contact coupler EP

Sechskantmuffe EP lang
hexagonal coupler EP
long


Ø [mm]	SW x L [mm]	[kg]	d x L [mm]	[kg]	d x L [mm]	[kg]	SW x L [mm]	[kg]
T 2040 EP			T 3003 EP		T 3006 EP		T 3010 EP	
12	19 x 20	0,03	22 x 75	0,15	-	-	22 x 80	0,16
14	27 x 25	0,09	27 x 90	0,27	-	-	27 x 100	0,33
16	32 x 30	0,15	32 x 105	0,46	-	-	32 x 120	0,54
20	32 x 40	0,17	36 x 120	0,59	32 x 70	0,22	32 x 140	0,59
25	41 x 40	0,28	40 x 135	0,71	36 x 80	0,30	41 x 160	1,07
26	41 x 45	0,31	45 x 140	1,13	36 x 80	0,27	41 x 170	1,01
28	41 x 45	0,41	45 x 145	0,97	40 x 85	0,34	41 x 180	1,10
30	50 x 50	0,54	50 x 155	1,50	45 x 90	0,50	50 x 180	1,75
32	50 x 50	0,50	52 x 160	1,49	45 x 90	0,45	50 x 180	1,71
36	55 x 55	0,64	60 x 170	2,30	50 x 120	0,72	60 x 190	2,75
40	60 x 65	0,85	65 x 190	3,07	54 x 120	0,82	65 x 210	2,71
50	80 x 80	2,10	80 x 235	5,50	65 x 160	1,11	80 x 240	5,88
57,5	90 x 75 x 102	2,69	102 x 260	10,73	80 x 170	2,90	-	-
63,5	90 x 115 x 102	3,75	102 x 300	10,74	90 x 200	4,14	-	-
75	100 x 80 x 108	2,36	108x x260	8,67	102 x 210	5,30	-	-

Zulassungen
approvals


Unsere aktuellen Zulassungen können Sie jederzeit direkt aus dem Downloadbereich unserer Homepage herunterladen.

www.annahuette.com

Darüber hinaus verfügen auch unsere Partner-Unternehmen in weiteren Ländern über zusätzliche Zulassungen und Zertifikate für die verschiedensten Anwendungen.

Current approvals and certificates can be downloaded from our homepage.

www.annahuette.com

Furthermore, the partner-companies of SAH own further approvals and certificates in several countries for different applications as well.

Streckgrenze / Zugfestigkeit yield stress / ultimate stress Anwendungsbereiche / areas of application		Nenn-ø nom.-ø	Strecklast yield load	Bruchlast ultimate load	Fläche cross section area		Gewicht weight	Dehnung elongation			
		[mm]	[kN]	[kN]	[mm²]	[m/to]	[kg/m]	A _{gt} [%]	A ₁₀ [%]		
SAS 500 / 550 - grade 75											
	Bewehrungstechnik / reinforcing systems	12	57	62	113	1123,6	0,89	6	10		
		14	77	85	154	826,4	1,21				
		16	100	110	201	632,9	1,58				
		20	160	175	314	404,9	2,47				
		25	245	270	491	259,7	3,85				
	Geotechnik / geotechnical systems	28	310	340	616	207,0	4,83				
		32	405	440	804	158,5	6,31				
		40	630	690	1260	101,3	9,87				
		50	980	1080	1960	64,9	15,40				
		SAS 555 / 700 - grade 80		57,5	1441	1818	2597			49,1	20,38
SAS 555 / 700 - grade 80		63,5	1760	2215	3167	40,2	24,86	5			
SAS 500 / 550 - grade 75		75	2209	2430	4418	28,8	34,68	5	new		
Alternativ SAS 550 erhältlich / alternative SAS 550 grade 75 available											
SAS 450 / 700 - grade 60											
	Bergbau / mining	16	93	145	207	617,3	1,62		(A ₅) 15		
		25	220	345	491	259,7	3,85		(A ₅) 20		
SAS 650 / 800 - grade 90											
	Bergbau / mining	22	247	304	380	335,6	2,98		(A ₅) 18		
		25	319	393	491	259,7	3,85				
		28	400	493	616	207,0	4,83				
		30	460	565	707	180,2	5,55				
SAS 670 / 800 - grade 97											
	Geotechnik / geotechnical systems	18	170	204	254	500,0	2,00	5	10		
		22	255	304	380	335,6	2,98				
		25	329	393	491	259,7	3,85				
		28	413	493	616	207,0	4,83				
		30	474	565	707	180,2	5,55				
	Ankerteknik / tunneling & mining	35	645	770	962	132,5	7,55				
		43	973	1162	1452	87,7	11,40				
		50	1315	1570	1963	64,9	15,40				new
		57,5	1740	2077	2597	49,1	20,38				
		63,5	2122	2534	3167	40,2	24,86				
	Hochfeste Bewehrung / high-strength reinforcement	75	2960	3535	4418	28,8	34,68				
SAS 950 / 1050 - grade 150											
	Spanntechnik / post-tensioning systems	18	230	255	241	510,2	1,96	5	7		
		26,5	525	580	551	223,2	4,48				
		32	760	845	804	153,1	6,53				
	Geotechnik / geotechnical systems	36	960	1070	1020	120,9	8,27				
		40	1190	1320	1257	97,9	10,21				
		47	1650	1820	1735	70,9	14,10				
SAS 835 / 1035 - grade 150											
	Geotechnik / geotechnical systems	57	2155	2671	2581	47,7	20,95			4	7
		65	2780	3447	3331	36,9	27,10				
		75	3690	4572	4418	27,9	35,90				
SAS 900 / 1100 FA - grade 160 FA											
schweißbar / weldable											
	Schalungstechnik / formwork ties	15	159	195	177	694,4	1,44	3	7		
		20	283	345	314	390,6	2,56				
		26,5	495	606	551	223,2	4,48			2	7
SAS 900 / 1050 FC - grade 150 FC											
	Schalungstechnik / formwork ties	15	159	186	177	694,4	1,44	3	7	new new	
		20	283	330	314	390,6	2,56				
SAS 950 / 1050 E - grade 150		26,5	525	580	551	223,2	4,48	5	7		
SAS 750 / 875 FS - kaltgerollt / cold rolled - grade 120 FS											
schweißbar / weldable											
	Schalungstechnik / formwork ties	12,5	90	120	132,5	961,5	1,04	2	5,5		
		15	142	165	189	675,7	1,48				
		20	245	285	326	390,6	2,56				

Zubehör für alle Abmessungen und Anwendungen lieferbar / accessories for all dimensions and applications available

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