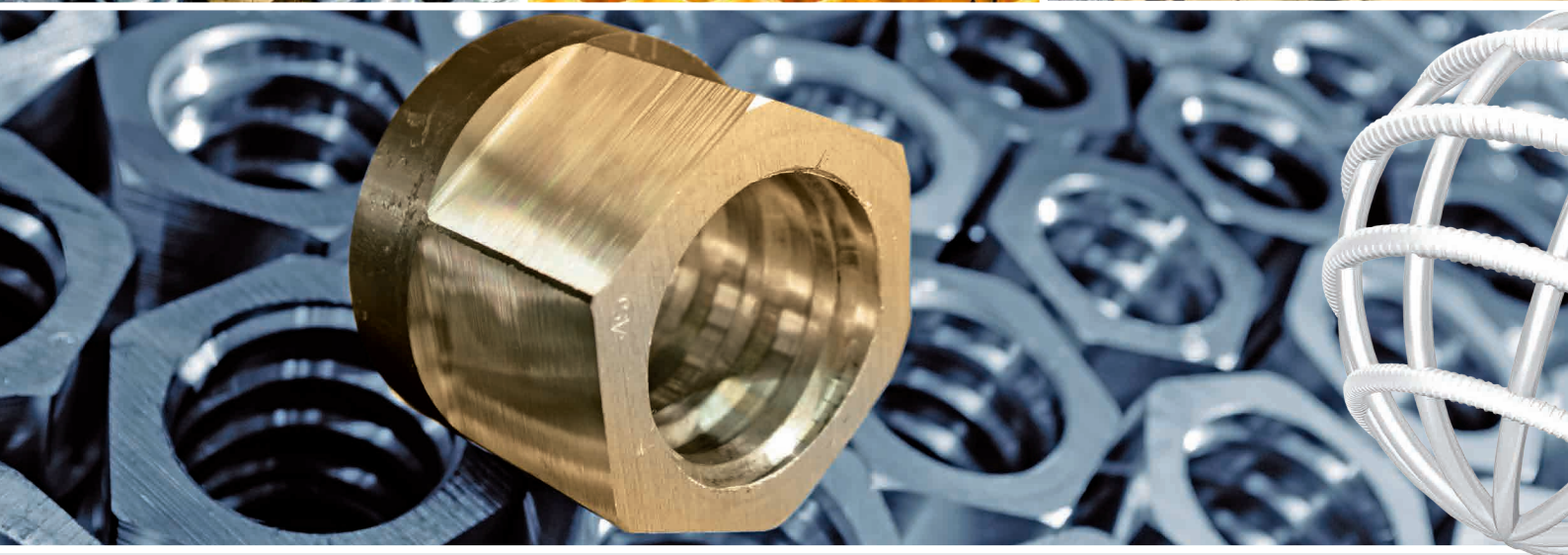


Katalog / catalogue

SAS 500 / 550 Ø 12 - 50 mm

SAS 555 / 700 Ø 63,5 mm

SAS 550 / 620 Ø 12 - 50 mm



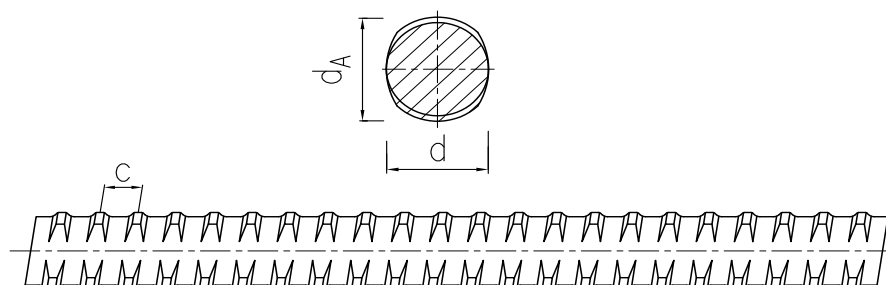
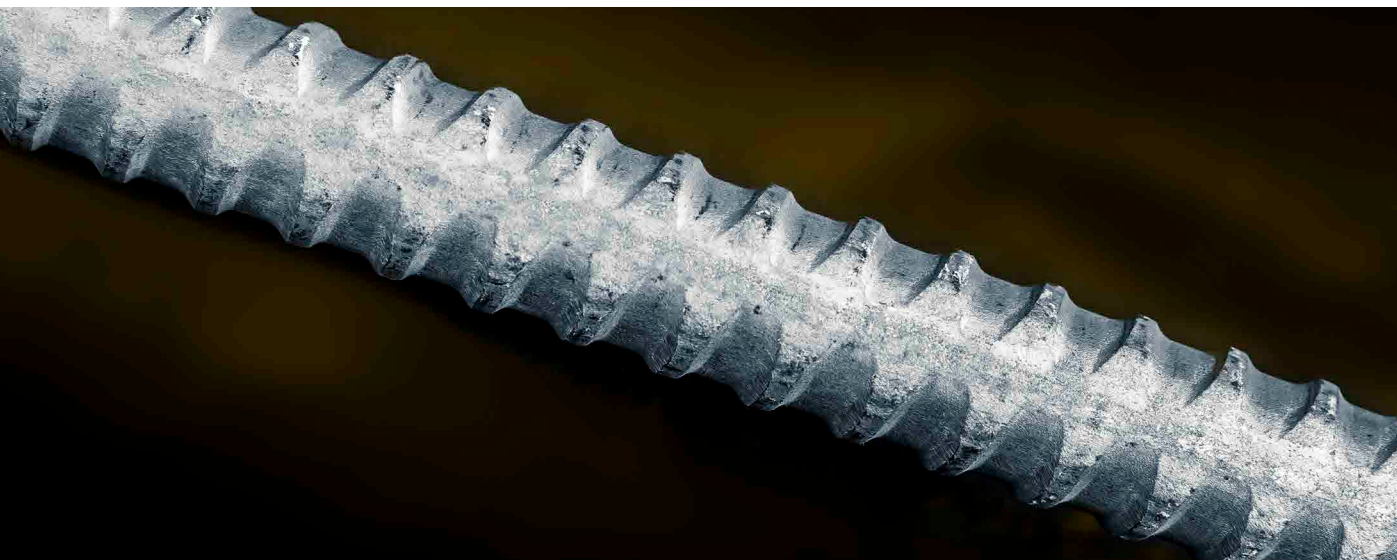
SAS SYSTEMS

SAS Gewindestäbe

SAS thread bars

SAS 500 / 550 Ø 15 - 50 mm

SAS 555 / 700 Ø 63,5 mm



SAS Gewindestab

warmgewalzt, Rippenstahl - linksgängig

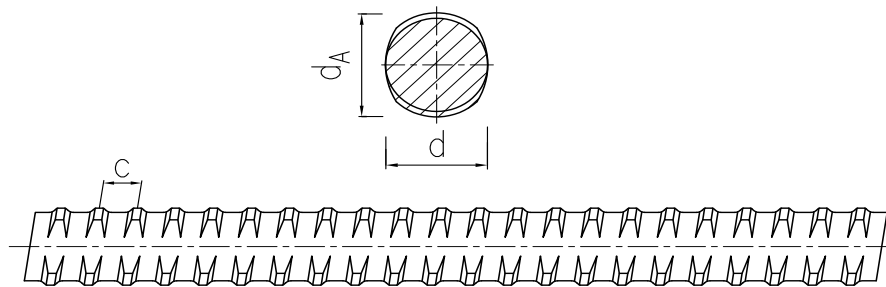
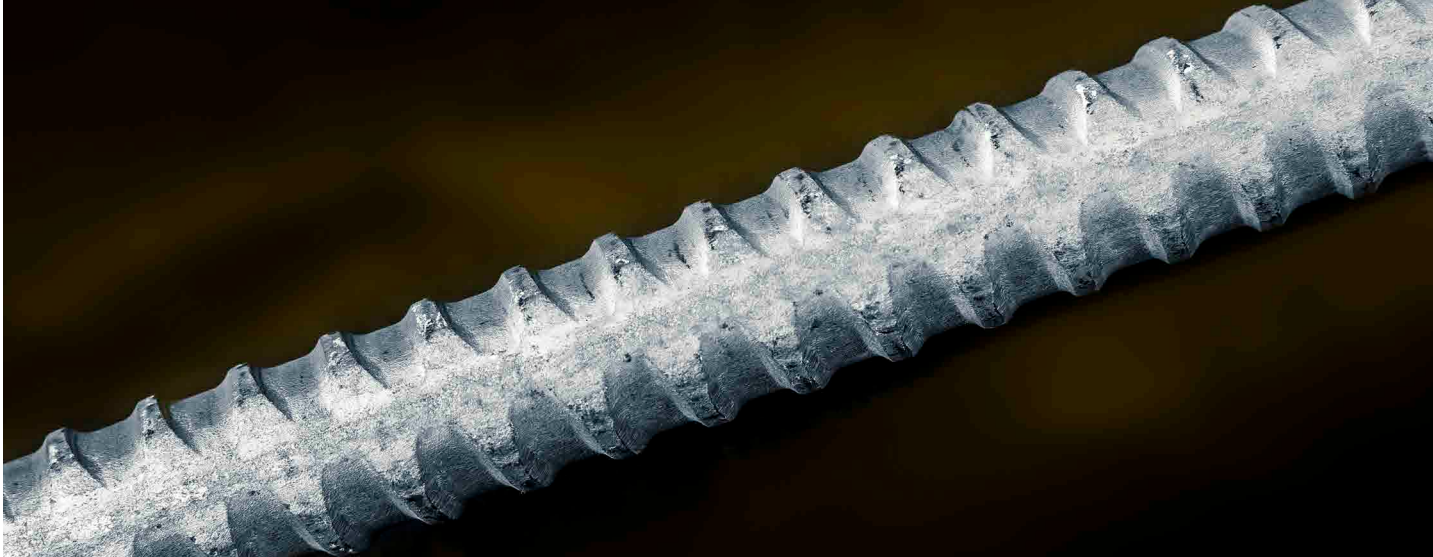
SAS thread bar

hot rolled, ribbed - left hand thread

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

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

SAS 550 / 620 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}) / f_{tk} / A₁₀¹⁾		550 N/mm ² / 620 N/mm ² / ≥ 6 %											
F_{yk} (F_{0,2k})	[kN]	62	85	110	175	270	290	340	390	440	560	690	1080
F_{tk}	[kN]	70	95	125	195	305	330	380	440	500	630	780	1215
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*

Artikel <i>item</i>	Bezeichnung <i>specification</i>	Ø [mm]												
		12	14	16	20	25	26	28	30	32	36	40	50	63,5
SAS 500 / 550 SAS 555 / 700	SAS Gewindestab, warm gewalzt <i>SAS thread bar, hot rolled</i>	●	●	●	●	●	-	●	-	●	-	●	●	●
SAS 550 / 620		□	□	□	□	□	□	□	□	□	□	□	□	□
T 1928	Ankerplatte Konus 30° <i>anchor plate cone 30°</i>	● □	● □	● □	● □	● □	- □	● □	- □	● □	- □	● □	● □	○ □
T 2002	Ankermutter gerade <i>anchor nut flat</i>	● □	● □	● □	● □	● □	- □	● □	- □	● □	- □	● □	● □	● □
T 2003	Kontermutter lang <i>lock nut long</i>	● □	● □	● □	● □	● □	- □	● □	- □	● □	- □	● □	● □	● □
T 2008	Ankerplatte gerade klein <i>anchor plate flat small</i>	-	-	-	-	-	-	-	-	-	-	● -	● -	-
T 2011	Ankerplatte Konus 55° <i>anchor plate conus 55°</i>	-	-	○	○	○	-	○	-	○	-	○	○	○
T 2024	Ankermutter lang <i>anchor nut long</i>	● □	● □	● □	● □	● □	- □	● □	- □	● □	- □	○ □	○ □	- -
T 2040	Kontermutter kurz <i>lock nut short</i>	○ ○	● □	● □	● □	● □	- □	● □	- □	● □	- □	● □	● □	● □
T 2044	Kugelbundmutter 55° <i>domed nut 55°</i>	-	-	○	○	○	-	○	-	○	-	○	○	○
T 2073	Ankerstück <i>anchor piece</i>	-	-	● □	● □	● □	- □	● □	- □	● □	- □	● □	● □	○
T 2132	Ankerplatte ballig 30°/55° <i>domed anchor plate 30°/55°</i>	-	-	○	○	○	-	○	-	○	-	-	-	-
T 2136	Spreizdübel <i>expansion shell</i>	-	-	○	○	○	-	○	-	○	-	-	-	-
T 2139	Ankerplatte gerade <i>anchor plate flat</i>	● □	● □	● □	● □	● □	- □	● □	- □	● □	- □	● □	● □	● □
T 2163	Ankermutter mit Bund <i>anchor nut with flange</i>	-	-	-	-	-	-	-	-	-	-	● □	● □	○
T 2926	Gabelstück <i>fork piece</i>	-	-	-	○	○	-	-	-	-	-	-	-	-
T 2927	Ringmutter <i>ring nut</i>	-	-	-	○	○	-	○	-	○	-	-	-	-
T 2928	Ankerplatte Konus 30°groß <i>anchor plate 30° big</i>	-	-	-	-	-	-	○	-	○	-	-	-	-
T 2944	Kalottenmutter 30° <i>dome nut 30°</i>	● □	● □	● □	● □	● □	- □	● □	- □	● □	- □	● □	● □	○
T 2963	Ankermutter ballig 30° <i>bull nose nut 30°</i>	○	○	○	○	○	○	○	○	○	○	○	○	○
T 2973	Ankerstück geschweißt <i>anchor piece welded</i>	-	-	-	-	-	-	-	-	-	-	○	○	○
T 3003	Muffe standard <i>coupler standard</i>	● □	● □	● □	● □	● □	- □	● □	- □	● □	- □	● □	● □	● □
T 3006	Kontaktmuffe <i>contact coupler</i>	-	-	-	● □	● □	- □	● □	- □	● □	- □	● □	● □	● □
T 3010	Sechskantmuffe lang <i>hexagonal coupler long</i>	● □	● □	● □	● □	● □	- □	● □	- □	● □	- □	● □	● □	-

Artikel item	Bezeichnung specification	Ø [mm]												
		12	14	16	20	25	26	28	30	32	36	40	50	63,5
T 3012	Reduziermuffe lang reducing coupler long	=	=	● □	● □	● □	■ □	● □	■ □	● □	■ □	● □	● □	=
T 3020	Muffe mit Drehsicherung coupler with set screws	=	=	=	=	=	=	=	=	○	○	○	○	○
T 3022	Anschweißstück welding bolt	● □	● □	● □	● □	● □	■ □	● □	■ □	● □	■ □	● □	● □	○
T 3024	Anschweißstück mit Schlüsselfläche welding bolt with wrench flat	=	=	=	=	=	=	=	=	=	=	○	○	=
T 3026	Anschweißstück sechskant welding bolt	● □	● □	● □	● □	● □	■ □	● □	■ □	● □	■ □	● □	● □	○
T 3087	Gewindestahlmuffe thread bar coupler	=	=	○	○	○	○	○	○	○	○	○	=	=
T 3102	Reduziermuffe rund reducing coupler round	=	=	● □	● □	● □	■ □	● □	■ □	● □	■ □	● □	● □	○
T 3105	Spannschloss tensioning lock	● □	● □	● □	● □	● □	■ □	● □	■ □	● □	■ □	● □	● □	○
T 3901	Muffe angeschrägt coupler chamfered	=	=	=	○	○	=	○	=	○	=	=	=	=
T 3927	Muffe vergütet coupler tempered	=	=	=	=	=	=	=	=	=	=	○	○	○
T 5025	Verschlussstöpsel inner cap	○	○	○	○	○	○	○	○	○	○	○	○	○
T 5050	Aussparungskegel recess cone	○	○	○	○	○	=	○	=	○	=	=	=	=
T 5979	Nagelplatte nail plate	○	○	○	○	○	○	○	○	○	=	=	=	=

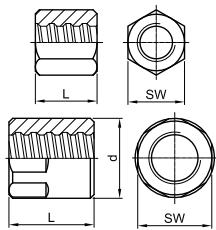
- erhältlich - zugelassen DIBt Deutschland / available - approved DIBt Germany
- erhältlich - zugelassen BMVIT Österreich / available - approved BMVIT Austria
- erhältlich - auf Anfrage / available - on inquiry
- = nicht erhältlich / not available

Die Gewichtsangaben sind Mittelwerte. Die tatsächlichen Gewichte können auf Grund von Fertigungstoleranzen abweichen.
Weight specifications are average values. The actual values may deviate due to fabrication tolerances.

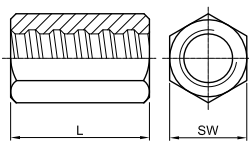
Zubehör accessories

SAS SYSTEMS

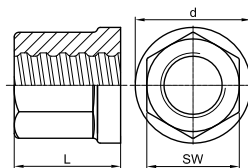
Ankermutter gerade
anchor nut flat



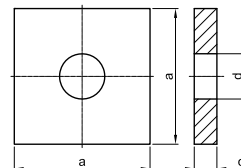
Ankermutter lang
anchor nut long



Ankermutter mit Bund 30°
bull nose nut 30°



Ankerplatte gerade
anchor plate flat



Ø [mm]

SW x L x d [mm] [kg]

SW x L [mm] [kg]

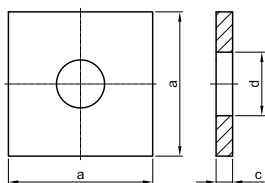
SW x L x d [mm] [kg]

a x c x d [mm] [kg]

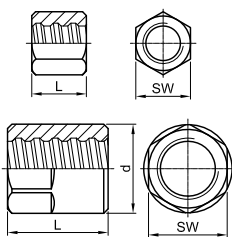
	T 2002		T 2024		T 2163		T 2139	
12	22 x 25	0,05	22 x 35	0,08	-	-	50 x 8 x 16	0,14
14	27 x 35	0,12	27 x 45	0,17	-	-	50 x 8 x 18	0,14
16	32 x 40	0,20	32 x 50	0,25	-	-	50 x 8 x 20	0,15
20	36 x 45	0,26	32 x 65	0,26	-	-	70 x 10 x 25	0,33
25	41 x 50	0,34	41 x 75	0,51	-	-	70 x 10 x 30	0,35
26	46 x 50	0,45	41 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	4,90
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
63,5	100 x 115 x 108	4,72	-	-	100 x 115 x 125	5,05	245 x 50 x 70	22,37

SAS SYSTEMS

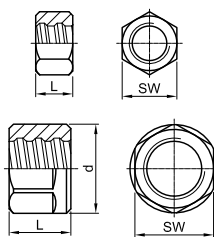
Ankerplatte gerade klein
anchor plate flat small



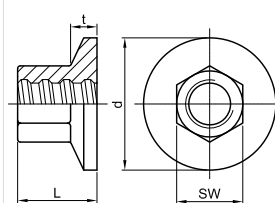
Kontermutter lang
lock nut long



Kontermutter kurz
lock nut short



Ankerstück
anchor piece



Ø [mm]

a x c x d [mm] [kg]

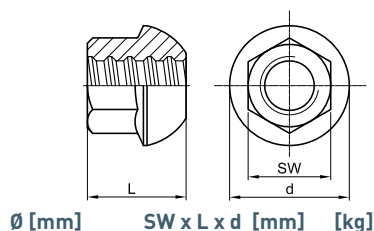
SW x L x d [mm] [kg]

SW x L x d [mm] [kg]

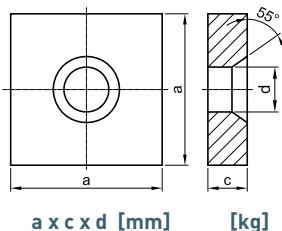
SW x L x d x t [mm] [kg]

	T 2008		T 2003		T 2040		T 2073	
12	-	-	19 x 20	0,03	19 x 13	0,03	-	-
14	-	-	27 x 35	0,08	27 x 15	0,06	-	-
16	-	-	32 x 30	0,15	32 x 20	0,10	30 x 33 x 50 x 8	0,19
20	-	-	32 x 40	0,16	32 x 20	0,08	36 x 40 x 65 x 10	0,36
25	-	-	41 x 40	0,25	41 x 20	0,14	41 x 45 x 70 x 10	0,50
26	-	-	41 x 45	0,26	41 x 25	0,15	41 x 50 x 90 x 12	0,70
28	-	-	41 x 45	0,26	41 x 25	0,15	46 x 50 x 90 x 12	0,77
30	-	-	50 x 50	0,52	50 x 30	0,28	50 x 55 x 95 x 16	1,00
32	-	-	50 x 50	0,47	50 x 30	0,28	50 x 60 x 100 x 20	1,34
36	-	-	55 x 55	0,61	55 x 30	0,37	60 x 65 x 110 x 20	1,70
40	120 x 17 x 45	1,74	60 x 65	0,83	60 x 35	0,45	65 x 70 x 120 x 17	1,89
50	150 x 20 x 58	3,83	80 x 80	1,94	80 x 50	1,21	80 x 85 x 150 x 20	3,38
63,5	-	-	90 x 115 x 102	3,55	90 x 75 x 102	2,18	100 x 115 x 250 x 30	11,50

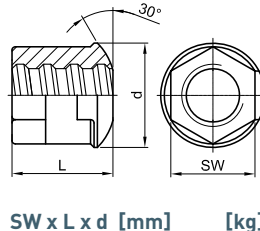
SAS SYSTEMS Kugelbundmutter 55°
domed nut 55°



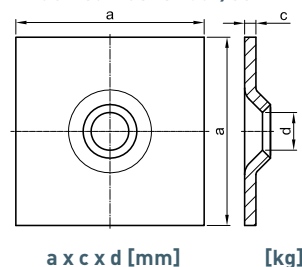
Ankerplatte Konus 55°
anchor plate cone 55°



Kalottenmutter 30°
dome nut 30°

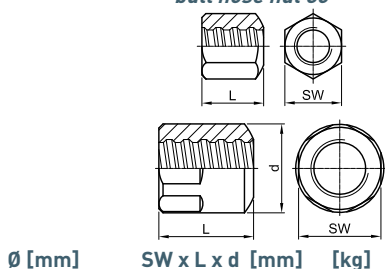


Ankerplatte ballig 30°/55°
domed washer 30°/55°

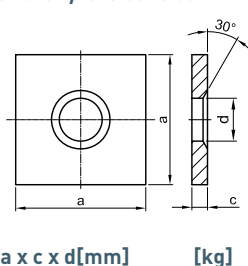


	T 2044		T 2011		T 2944		T 2132	
12	-	-	-	-	30 x 33 x 40	0,20	-	-
14	-	-	-	-	30 x 33 x 40	0,20	-	-
16	27 x 33 x 35	0,11	50 x 10 x 25	0,15	30 x 33 x 40	0,20	150 x 10 x 22	1,75
20	36 x 42 x 49	0,30	70 x 12 x 30	0,37	36 x 40 x 51	0,29	150 x 10 x 26	1,65
25	41 x 45 x 55	0,35	70 x 12 x 35	0,34	41 x 45 x 54	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	-	-
63,5	100 x 115 x 144	5,51	245 x 50 x 104	20,09	100 x 115 x 125	4,87	-	-

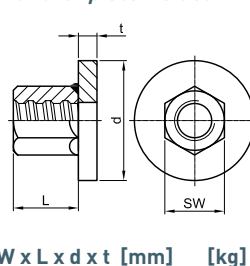
SAS SYSTEMS Ankermutter ballig 30°
bull nose nut 30°



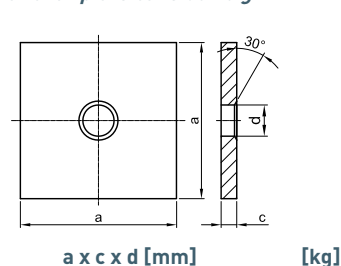
Ankerplatte Konus 30°
anchor plate cone 30°



Ankerstück geschweißt
anchor piece welded



Ankerplatte Konus 30° groß
anchor plate cone 30° big



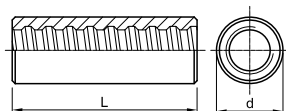
	T 2963		T 1928		T 2973		T 2928	
12	22 x 25	0,09	50 x 8 x 20	0,13	-	-	-	-
14	27 x 35	0,14	50 x 8 x 20	0,13	-	-	-	-
16	32 x 40	0,18	50 x 8 x 20	0,13	-	-	-	-
20	36 x 45	0,25	70 x 10 x 25	0,32	-	-	-	-
25	41 x 50	0,33	70 x 10 x 30	0,34	-	-	-	-
26	46 x 50	0,42	70 x 10 x 33	0,41	-	-	-	-
28	46 x 55	0,47	100 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	60 x 70 x 120 x 17	2,10	-	-
50	80 x 90	2,10	190 x 45 x 58	11,90	80 x 80 x 150 x 20	4,04	-	-
63,5	100 x 115 x 108	4,65	245 x 50 x 70	21,54	100 x 115 x 250 x 30	-	-	-

Zubehör

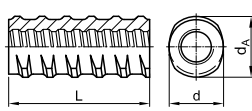
accessories

SAS SYSTEMS

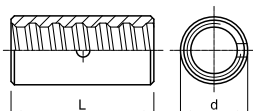
Muffe standard
coupler standard



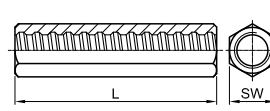
Gewindestahlmuffe
thread bar coupler



Kontaktmuffe
contact coupler



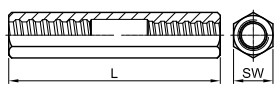
Sechskantmuffe lang
hexagonal coupler long



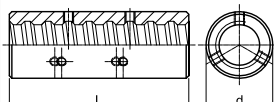
Ø [mm]	d x L	[kg]	d x dA x L [mm]	[kg]	d x L [mm]	[kg]	SW x L [mm]	[kg]
T 3003			T 3087		T 3006		T 3010	
12	22 x 60	0,11	-	-	-	-	22 x 80	0,17
14	27 x 75	0,22	-	-	-	-	27 x 100	0,34
16	32 x 90	0,37	26,5 x 31 x 90	0,25	-	-	32 x 120	0,59
20	36 x 105	0,52	32 x 37 x 105	0,40	32 x 70	0,22	32 x 140	0,54
25	40 x 115	0,61	40 x 46 x 115	0,68	36 x 70	0,26	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	-	-	65 x 160	1,09	80 x 240	6,12
63,5	102 x 260	9,41	-	-	90 x 200	4,16	-	-

SAS SYSTEMS

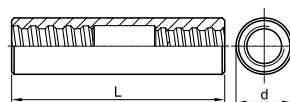
Reduziermuffe lang
reducing coupler long



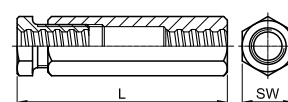
Muffe mit Drehsicherung
coupler with set screws



Reduziermuffe
reducing coupler



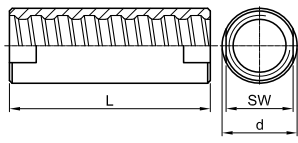
Spannschloss
tensioning lock



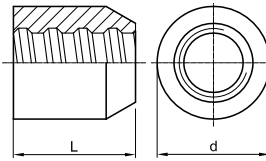
Ø [mm]	Ø x SW x L [mm]	[kg]	d x L [mm]	[kg]	Ø x d x L [mm]	[kg]	SW x ~L [mm]	[kg]
T 3012			T 3020		T 3102		T 3105	
12	-	-	-	-	-	-	32 x 130	0,60
14	-	-	-	-	-	-	32 x 140	0,62
16	16/14 x 32 x 120	0,62	-	-	16/14 x 32 x 120	0,55	36 x 150	0,89
20	20/16 x 32 x 140	0,65	-	-	20/16 x 36 x 130	0,67	41 x 175	1,20
25	25/20 x 41 x 175	1,33	-	-	25/20 x 40 x 150	1,00	46 x 190	1,33
26	26/20 x 41 x 175	1,31	-	-	26/20 x 40 x 150	1,10	50 x 205	1,70
28	28/25 x 41 x 175	1,80	-	-	28/25 x 45 x 170	1,24	50 x 205	1,92
30	30/26 x 50 x 225	2,35	-	-	30/25 x 50 x 180	1,71	60 x 225	3,10
32	32/28 x 50 x 225	2,41	52 x 140	1,35	32/28 x 52 x 180	1,80	60 x 225	2,83
36	36/32 x 60 x 245	3,10	60 x 150	2,00	36/32 x 60 x 235	2,70	70 x 250	5,00
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	10,70
63,5	-	-	102 x 260	9,50	63,5/50 x 100 x 275	10,50	100 x 350	21,40

SAS SYSTEMS

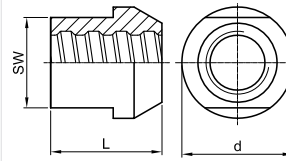
Muffe vergütet
coupler tempered



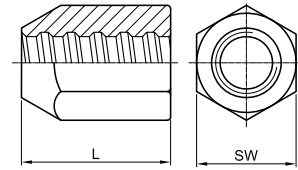
Anschweißstück
welding bolt



Anschweißstück mit Schlüsselfläche
welding bolt with wrench flat



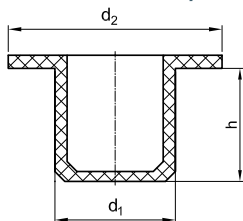
Anschweißstück SW
welding bolt hexagonal



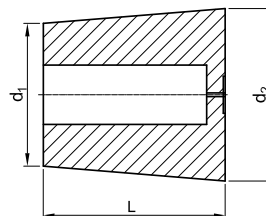
Ø [mm]	SW x d x L [mm]	[kg]	d x L [mm]	[kg]	SW x L x d [mm]	[kg]	SW x L [mm]	[kg]
T 3927			T 3022		T 3024		T 3026	
12	-	-	30 x 30	0,18	-	-	32 x 40	0,21
14	-	-	36 x 40	0,23	-	-	36 x 50	0,34
16	-	-	40 x 45	0,33	-	-	41 x 55	0,48
20	-	-	45 x 50	0,42	-	-	46 x 65	0,70
25	-	-	50 x 55	0,72	-	-	50 x 75	0,89
26	-	-	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	3,50
63,5	80 x 95 x 230	6,13	114 x 120	6,75	-	-	100 x 120	5,60

SAS SYSTEMS

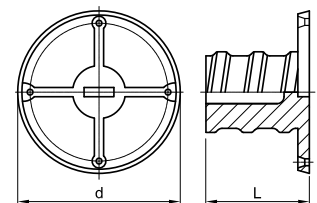
Verschlussstöpsel
inner cap



Aussparungskegel
recess cone



Nagelplatte
nail plate

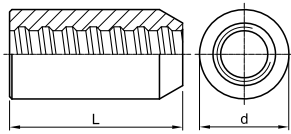


Ø [mm]	d ₁ x d ₂ x h [mm]	[kg]	d ₁ x d ₂ x L [mm]	[kg]	d x L [mm]	[kg]
T 5025			T 5050		T 5979	
12	12 x 19 x 7	0,001	36 x 42 x 40	0,023	36 x 20	0,005
14	14 x 19 x 7	0,001	41 x 49 x 49	0,035	42 x 20	0,007
16	16 x 25 x 9	0,001	48 x 85 x 64	0,042	48 x 25	0,010
20	20 x 25 x 9	0,001	50 x 62 x 74	0,078	48 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	-	-	-	-
63,5	64 x 74 x 10	0,006	-	-	-	-

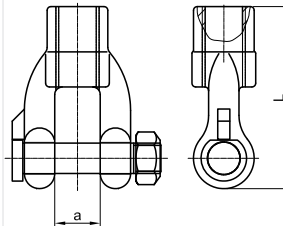
Zubehör accessories

SAS SYSTEMS

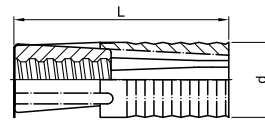
Muffe angeschrägt
coupler chamfered



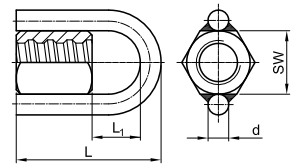
Gabelstück
fork piece



Spreizdübel
expansion shell



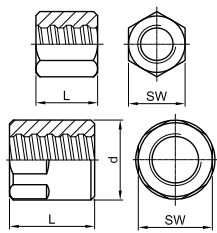
Ringmutter
ring nut



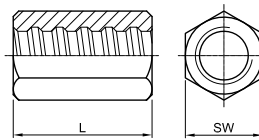
Ø [mm]	d x L [mm]	[kg]	a x d x L [mm]	[kg]	d x L [mm]	[kg]	SW x L x L ₁ x d [mm]	[kg]
T 3901			T 2926		T 2136		T 2927	
12	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-
16	-	-	-	-	32 x 92	0,22	-	-
20	36 x 105	0,42	30 x 20 x 120	1,17	39 x 110	0,45	36 x 120 x 59 x 16	0,67
25	40 x 115	0,50	30 x 20 x 120	1,10	49 x 120	0,63	41 x 130 x 64 x 16	0,77
26	-	-	-	-	-	-	-	-
28	45 x 125	0,74	-	-	49 x 120	0,57	46 x 145 x 74 x 16	0,97
30	-	-	-	-	-	-	-	-
32	52 x 140	1,22	-	-	59 x 150	1,02	55 x 165 x 89 x 16	1,34
36	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	65 x 195 x 103 x 21	2,31
50	-	-	-	-	-	-	80 x 235 x 123 x 21	3,55
63,5	-	-	-	-	-	-	100 x 280 x 144 x 21	7,19

SAS SYSTEMS

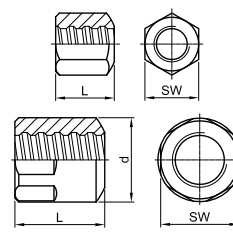
Ankermutter EP gerade
anchor nut EP flat



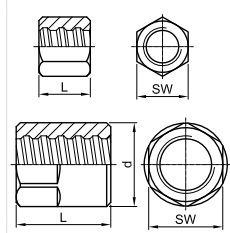
Ankermutter EP lang
anchor nut EP long



Ankermutter EP ballig 30°
bull nose nut EP 30°



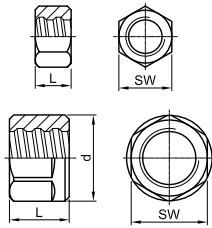
Kontermutter EP lang
lock nut EP long



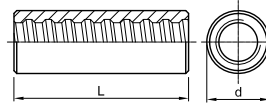
Ø [mm]	SW x L x d [mm]	[kg]	SW x L [mm]	[kg]	SW x L x d [mm]	[kg]	SW x L x d [mm]	[kg]
T 2002 EP			T 2024 EP		T 2963 EP		T 2003 EP	
12	22 x 30	0,07	22 x 35	0,08	-	-	19 x 25	0,05
14	27 x 40	0,14	27 x 45	0,17	-	-	27 x 30	0,12
16	32 x 50	0,25	32 x 50	0,25	32 x 50	0,21	32 x 35	0,17
20	36 x 55	0,31	32 x 65	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
63,5	100 x 130 x 108	6,65	-	-	100 x 130 x 108	6,59	90 x 130 x 102	4,56

SAS SYSTEMS

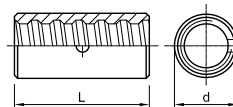
Kontermutter EP kurz lock nut EP short



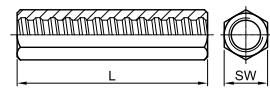
Muffe EP standard coupler EP standard



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	0,26	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 110	0,72	60 x 190	2,75
40	60 x 65	0,85	65 x 190	3,07	52 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
63,5	90 x 115 x 102	3,75	102 x 300	10,74	90 x 200	4,14	-	-

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 <i>yield stress / ultimate stress</i>	Nenn- $\emptyset$ <i>nom.-$\emptyset$</i>	Strecklast <i>yield load</i>	Bruchlast <i>ultimate load</i>	Fläche <i>cross section area</i>	Gewicht <i>weight</i>	Dehnung <i>elongation</i>		
Anwendungsbereiche <i>areas of application</i>	[mm]	[kN]	[kN]	[mm ²]	[m/to]	[kg/m]	A _{gt} [%]	A ₁₀ [%]

SAS 500 / 550 - grade 75								
	Bewehrungstechnik / <i>reinforcing systems</i>	12	57	62	113	1123,6	0,89	
		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 / <i>geotechnical systems</i>	28	310	340	616	207,0	4,83	6
		32	405	440	804	158,5	6,31	10
		40	630	690	1260	101,3	9,87	
		50	980	1080	1960	64,9	15,40	
		63,5	1760	2215	3167	40,2	24,86	5

Alternativ SAS 550 / 620 erhältlich / alternative SAS 550 / 620 grade 75 available

SAS 450 / 700 - grade 60								
	Bergbau / <i>mining</i>	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 / <i>mining</i>	22	247	304	380	335,6	2,98	
		25	319	393	491	259,7	3,85	
		28	400	493	616	207,0	4,83	(A ₅) 18
		30	460	565	707	180,2	5,55	

SAS 670 / 800 - grade 97								
	Geotechnik / <i>geotechnical systems</i>	18	170	204	254	500,0	2,00	
		22	255	304	380	335,6	2,98	
		25	329	383	491	259,7	3,85	
		28	413	493	616	207,0	4,83	
		30	474	565	707	180,2	5,55	5
	Ankerteknik / <i>tunneling & mining</i>	35	645	770	962	132,5	7,55	10
		43	973	1162	1452	87,7	11,40	
		50	1315	1570	1963	64,9	15,40	new
	Hochfeste Bewehrung / <i>reinforcing coupling system</i>	57,5	1740	2077	2597	49,1	20,38	
		63,5	2122	2534	3167	40,2	24,86	
		75	2960	3535	4418	28,8	34,68	

SAS 950 / 1050 - grade 150								
	Spanntechnik / <i>post-tensioning systems</i>	18	230	255	241	510,2	1,96	
		26,5	525	580	551	223,2	4,48	
		32	760	845	804	153,1	6,53	
	Geotechnik / <i>geotechnical systems</i>	36	960	1070	1020	120,9	8,27	5
		40	1190	1320	1257	97,9	10,21	7
		47	1650	1820	1735	70,9	14,10	

SAS 835 / 1035 - grade 150								
	Spanntechnik / <i>post-tensioning systems</i>	57	2155	2671	2581	47,7	20,95	
		65	2780	3447	3331	36,9	27,10	4
		75	3690	4572	4418	27,9	35,90	7

SAS 900 / 1100 FA - grade 160 FA								
schweißbar / weldable								
	Schalungstechnik / <i>formwork ties</i>	15	159	195	177	694,4	1,44	3
		20	283	345	314	390,6	2,56	7
		26,5	495	606	551	223,2	4,48	2

SAS 900 / 1050 FC - grade 150 FC								
	Schalungstechnik / <i>formwork ties</i>	15	159	186	177	694,4	1,44	3
		20	283	330	314	390,6	2,56	7

SAS 950 / 1050 E - grade 150								
		26,5	525	580	551	223,2	4,48	5

SAS 750 / 875 FS - kaltgerollt / cold rolled - grade 120 FS								
schweißbar / weldable								
	Schalungstechnik / <i>formwork ties</i>	12,5	90	120	132,5	961,5	1,04	
		15	142	165	189	675,7	1,48	2
		20	245	285	326	390,6	2,56	5,5

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

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