

GH SCREWS

OVERVIEW

The new **GH wood connection screws S Drive** and **SK Drive** is available in the sustainable brown box.



GH WOOD CONSTRUCTION SCREW S DRIVE*



GH WOOD CONSTRUCTION SCREW SK DRIVE*



GH CONICAL HEAD SCREW KF
STAINLESS STEEL 1.4006



Screw packaging to protect the environment.

Ecological change is changing our society in general and **GH Baubeschläge** also wants to support this with commitment.

At **GH Baubeschläge** we therefore use sustainable brown boxes mainly based on recycled paper for our **GH wood construction screws S Drive** and **SK Drive**.

If we take our role as a manufacturer and our core expertise and the benefits of packaging in terms of protection and transportation seriously, we are equally committed to actively and sustainably reducing our environmental footprint.

**GH SCREW PACKAGING**

ADVANTAGES

- 1** Extra deep TX-drive with attachment chamfer
- 2** Shaft milling ribs for tension-free turning
- 3** Milling ribs on the head
- 4** Conical milling head
- 5** Notch drilling tip ,no pilot drilling
- 6** Fast thread
- 7** Thread to the tip
- 8** Special Gleitmot coating
- 9** Deep thread for optimum pull-out values
- 10** CE symbol
- 11** Approval ETA-12/0501
- 12** Approval ETA-20/0403

GH WOOD CONSTRUCTION SCREWS

ASSORTMENT

				Basics Statics	Products & Statics
				from page	from page
GH WOOD CONSTRUCTION SCREW S DRIVE		  		300	302
GH WOOD CONSTRUCTION SCREW SK DRIVE		  		300	310
GH CONICAL HEAD SCREW KF		  			314
TOP-FIX DUO WITH HEX HEAD AND TX DRIVE		 			316

 **CE symbol**

 **Galvanised steel**

 **Stainless steel**

 **Usage class 1**
Moisture content in the building materials that corresponds to a temperature of 20° C and a relative humidity of the ambient air that only exceeds a value of 65% for a few weeks per year, e.g. in the case of buildings that are closed on all sides and heated.
Comment: In UC 1, the average moisture content of most softwoods does not exceed 12 %.

 **Usage class 2**
Moisture content in the building materials that corresponds to a temperature of 20° C and a relative humidity of the ambient air that only exceeds a value of 85% for a few weeks per year, e.g. in the case of open buildings covered by a roof.
Comment: In UC 2, the average moisture content of most softwoods does not exceed 20 %.

 **Usage class 3**
Includes climatic conditions that lead to higher moisture contents than in UC 2, e.g. structures that are exposed to the weather without protection. Eurocode 5 / DIN EN 1995-1-1 section 2.3.1.3

GH WOOD CONSTRUCTION SCREWS

TECHNICAL FEATURES

Geometry

d [mm]	Thread outer diameter
l [mm]	Length of screw
b [mm]	Effective thread length
d _k [mm]	Head diameter
d _i [mm]	Core diameter
d _s [mm]	Shaft diameter
TX	Drive

Tables

f _{tens,k,Stahl} [kN]	Tensile load capacity
M _{y,k,Stahl} [Nm]	Yield moment
zul. Nz [kN]	Permissible value, axial (DIN)
zul. Nv [kN]	Permissible value, shearing (DIN)
α _{AD} [kN]	Attachment part
α _{ET} [kN]	Main component
α=90° / 0°	Force chamfer angle

Design

R _d	Design value of load capacity [kN]
R _k	Characteristic value of load capacity [kN]
KLED	Classes of load impact duration according to EN 1995-1-1, chapter 2.3.1.2



Galvanised steel



Usage class 1

Moisture content in the building materials that corresponds to a temperature of 20° C and a relative humidity of the ambient air that only exceeds a value of 65% for a few weeks per year, e.g. in the case of buildings that are closed on all sides and heated. Comment: In UC 1, the average moisture content of most softwoods does not exceed 12 %.



Usage class 2

Moisture content in the building materials that corresponds to a temperature of 20° C and a relative humidity of the ambient air that only exceeds a value of 85% for a few weeks per year, e.g. in the case of open buildings covered by a roof. Comment: In UC 2, the average moisture content of most softwoods does not exceed 20 %.



Usage class 3

Includes climatic conditions that lead to higher moisture contents than in UC 2, e.g. structures that are exposed to the weather without protection. Eurocode 5 / DIN EN 1995-1-1 section 2.3.1.3

GH WOOD CONSTRUCTION SCREWS

APPLICATIONS

Application:

Wood construction screws for constructive and statically loaded Connections

For use in usage classes



Minimum and edge spacing:

Spacing must be complied with according to ETA-20/0403

Design tables:

Timber attachment part

For connections, the minimum thickness of the attachment part must be observed

Attachment part	
d	Ad _{min} [mm]
8.0	30
10.0	40
12.0	80

Steel attachment part

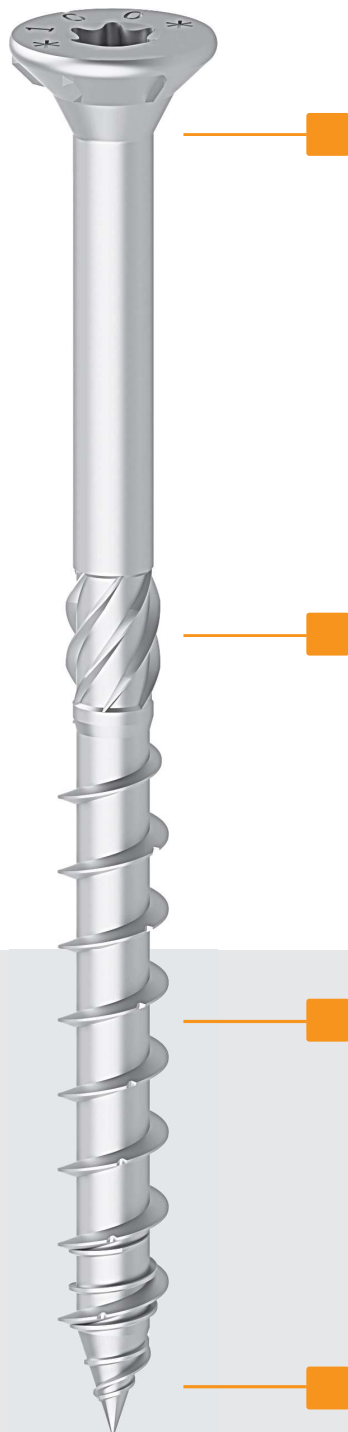
For steel/timber connections, a minimum thickness of the attachment part must not be observed

GH WOOD CONSTRUCTION SCREW

S DRIVE



The new **GH wood connection screw S Drive** is available in the sustainable brown box.



HEAD

The countersunk head demonstrates clear advantages due to the lower head ribs:

- Optimal countersinking
- Smooth movement
- Gentle on materials

SHAFT MILL

The shaft mill reduces the turn-in resistance

THREAD

Tough thread with patented guide thread, rolled to the tip:

- Faster screw connection
- Minimised explosive effect
- Lower torque during screw-in
- No pilot drilling necessary

TIP

Patented guide thread tip with rolled flanks to the tip

For advantages see page 297

The **GH S Drive** wood construction screw is characterised by its fast screw fastening and lower torque when screwing in.

Tough thread incl. guide thread
patented guide thread.

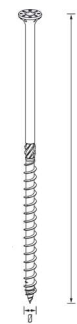
Alternative head shape
Disc head **GH SK Drive**.

GH S DRIVE IN WHITE - BLUE GALVANISED

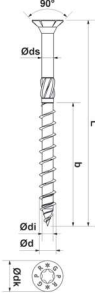
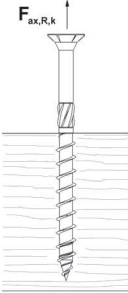
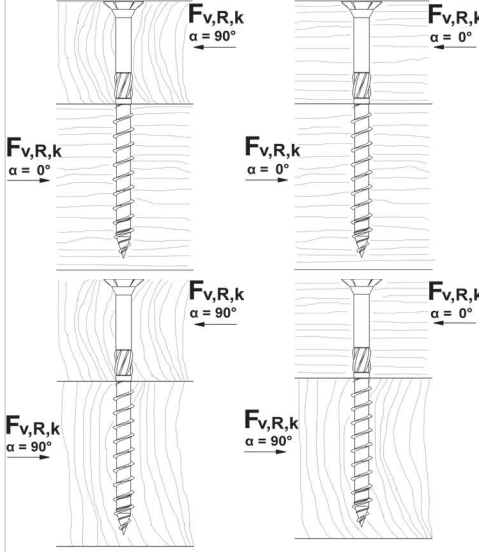
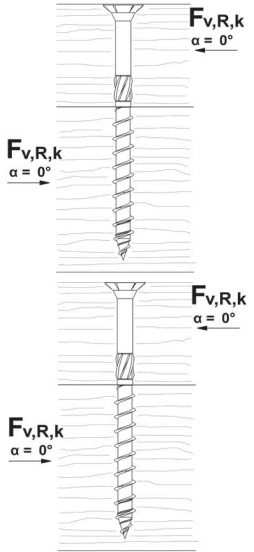


WOOD CONSTRUCTION SCREWS

GH S DRIVE



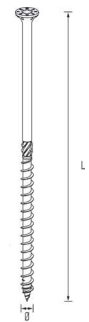
Art. No.	Dimensions [mm]				EAN 4019346	Weight kg	Pallet	PU
	Ø	x	L	TX				
90140030	4,0	x	30/24	TX20	521502	0.162	290000	1000
90140040	4,0	x	40/30	TX20	521526	0.208	220000	1000
90140050	4,0	x	50/30	TX20	521533	0.255	145000	500
90140060	4,0	x	60/35	TX20	521540	0.302	110000	500
90140070	4,0	x	70/35	TX20	521557	0.349	72000	200
90145050	4,5	x	50/29	TX20	521564	0.327	110000	500
90145060	4,5	x	60/29	TX20	521571	0.385	72500	250
90145070	4,5	x	70/39	TX20	521588	0.443	58000	200
90145080	4,5	x	80/39	TX20	521595	0.501	44000	200
90150050	5,0	x	50/30	TX25	521601	0.408	90000	250
90150060	5,0	x	60/30	TX25	521618	0.481	72500	250
90150070	5,0	x	70/37	TX25	521625	0.554	58000	200
90150080	5,0	x	80/37	TX25	521632	0.627	44000	200
90150090	5,0	x	90//55	TX25	521649	0.700	29000	100
90150100	5,0	x	100/55	TX25	521656	0.773	29000	100
90150120	5,0	x	120/55	TX25	521663	0.919	29000	100
90160060	6,0	x	60/36	TX30	521670	0.717	44000	200
90160070	6,0	x	70/36	TX30	521687	0.833	44000	200
90160080	6,0	x	80/48	TX30	521694	0.949	29000	100
90160090	6,0	x	90/48	TX30	521700	1.065	29000	100
90160100	6,0	x	100/48	TX30	521717	1.181	29000	100
90160120	6,0	x	120/64	TX30	521731	1.413	29000	100
90160140	6,0	x	140/64	TX30	521755	1.645	22000	100
90160150	6,0	x	150/64	TX30	521762	1.739	22000	100
90160160	6,0	x	160/64	TX30	521779	1.877	22000	100
90160180	6,0	x	180/64	TX30	521786	1.994	22000	100
90160200	6,0	x	200/64	TX30	521793	2.341	22000	100
90160220	6,0	x	220/64	TX30	521809	2.573	16000	100
90160240	6,0	x	240/64	TX30	521816	2.805	16000	100
90160260	6,0	x	260/64	TX30	521823	3.037	16000	100
90160280	6,0	x	280/64	TX30	521830	3.114	14000	100
90160300	6,0	x	300/64	TX30	521847	3.501	14000	100

	Dimensions [mm]			Pull-out resistance		Head pull-through resistance		Shearing Timber - timber					Shearing Steel - timber		
															
Art. No.	Ø	L	b	zul. N _z	F _{ax,R,k}	zul. N _z	F _{head,R,k}	α=0°...90° zul. N	α _{AD} =90° α _{ET} =0° 1. F _{v,R,k}	1. F _{v,R,k}	α=90° 3. F _{v,R,k}	α _{AD} =0° α _{ED} =90° 4. F _{v,R,k}	α=0°...90° zul. N	α=0° 1. F _{v,R,k}	α=90° 2. F _{v,R,k}
90140030	4,0	30	24												
90140040	4,0	40	30	0,60	1,78	0,32	1,09	a]	a]	a]	a]	a]	0,34	1,57	1,57
90140050	4,0	50	30	0,60	1,78	0,32	1,09	a]	a]	a]	a]	a]	0,34	1,57	1,57
90140060	4,0	60	35	0,70	2,07	0,32	1,09	0,27	1,06	1,06	1,06	1,06	0,34	1,54	1,54
90140070	4,0	70	35	0,70	2,07	0,32	1,09	0,27	1,07	1,07	1,07	1,07	0,34	1,54	1,54
90145050	4,5	50	29	0,65	1,80	0,41	1,43	a]	a]	a]	a]	a]	0,43	1,91	1,91
90145060	4,5	60	29	0,65	1,80	0,41	1,43	0,34	1,35	1,35	1,35	1,35	0,43	1,91	1,91
90145070	4,5	70	39	0,88	2,42	0,41	1,43	0,34	1,38	1,38	1,38	1,38	0,43	2,06	2,06
90145080	4,5	80	39	0,88	2,42	0,41	1,43	0,34	1,38	1,38	1,38	1,38	0,43	2,06	2,06
90150050	5,0	50	30	0,75	2,04	0,50	1,46	a]	a]	a]	a]	a]	0,53	2,25	2,25
90150060	5,0	60	30	0,75	2,04	0,50	1,46	0,43	1,46	1,46	1,46	1,46	0,53	2,25	2,25
90150070	5,0	70	37	0,93	2,52	0,50	1,46	0,43	1,58	1,58	1,58	1,58	0,53	2,37	2,37
90150080	5,0	80	37	0,93	2,52	0,50	1,46	0,43	1,59	1,59	1,59	1,59	0,53	2,37	2,37
90150090	5,0	90	55	1,38	3,74	0,50	1,46	0,43	1,59	1,59	1,59	1,59	0,53	2,67	2,67
90150100	5,0	100	55	1,38	3,74	0,50	1,46	0,43	1,59	1,59	1,59	1,59	0,53	2,67	2,67
90150120	5,0	120	55	1,38	3,74	0,50	1,46	0,43	1,59	1,59	1,59	1,59	0,53	2,67	2,67
90160060	6,0	60	36	1,08	2,81	0,72	2,10	0,58	1,76	1,76	1,76	1,76	0,77	3,01	3,01
90160070	6,0	70	36	1,08	2,81	0,72	2,10	0,61	1,98	1,98	1,98	1,98	0,77	3,01	3,01
90160080	6,0	80	48	1,44	3,74	0,72	2,10	0,61	1,96	1,96	1,96	1,96	0,77	3,25	3,25
90160090	6,0	90	48	1,44	3,74	0,72	2,10	0,61	1,96	1,96	1,96	1,96	0,77	3,25	3,25
90160100	6,0	100	48	1,44	3,74	0,72	2,10	0,61	2,16	2,16	2,16	2,16	0,77	3,25	3,25
90160120	6,0	120	64	1,92	4,99	0,72	2,10	0,61	2,16	2,16	2,16	2,16	0,77	3,56	3,56
90160140	6,0	140	64	1,92	4,99	0,72	2,10	0,61	2,16	2,16	2,16	2,16	0,77	3,56	3,56
90160150	6,0	150	64	1,92	4,99	0,72	2,10	0,61	2,16	2,16	2,16	2,16	0,77	3,56	3,56
90160160	6,0	160	64	1,92	4,99	0,72	2,10	0,61	2,16	2,16	2,16	2,16	0,77	3,56	3,56
90160180	6,0	180	64	1,92	4,99	0,72	2,10	0,61	2,16	2,16	2,16	2,16	0,77	3,56	3,56
90160200	6,0	200	64	1,92	4,99	0,72	2,10	0,61	2,16	2,16	2,16	2,16	0,77	3,56	3,56
90160220	6,0	220	64	1,92	4,99	0,72	2,10	0,61	2,16	2,16	2,16	2,16	0,77	3,56	3,56
90160240	6,0	240	64	1,92	4,99	0,72	2,10	0,61	2,16	2,16	2,16	2,16	0,77	3,56	3,56
90160260	6,0	260	64	1,92	4,99	0,72	2,10	0,61	2,16	2,16	2,16	2,16	0,77	3,56	3,56
90160280	6,0	280	64	1,92	4,99	0,72	2,10	0,61	2,16	2,16	2,16	2,16	0,77	3,56	3,56
90160300	6,0	300	64	1,92	4,99	0,72	2,10	0,61	2,16	2,16	2,16	2,16	0,77	3,56	3,56

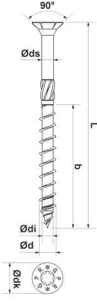
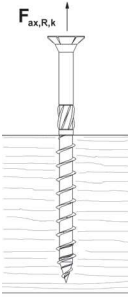
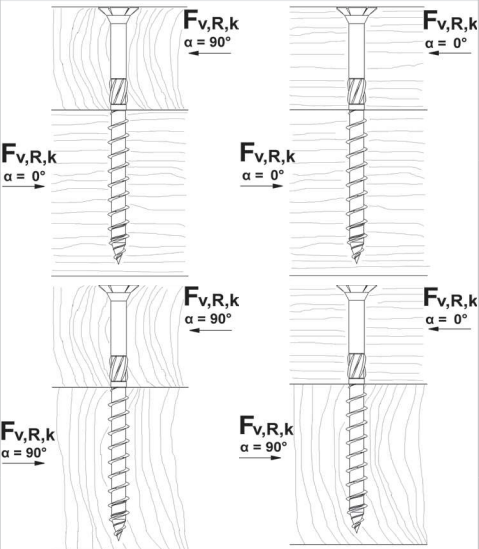
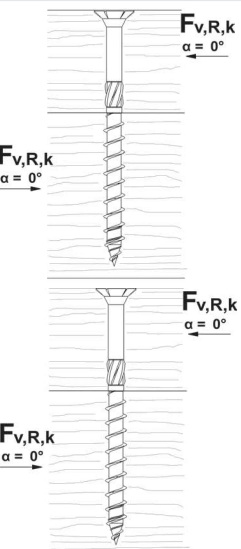
a) Min. component thickness for timber/timber connections not achieved

WOOD CONSTRUCTION SCREWS

GH S DRIVE



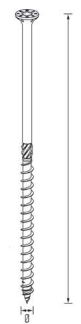
Art. No.	Dimensions [mm]				EAN	Weight	Pallet	PU
	Ø	x	L	TX				
					4019346	kg		
90180080	8,0	x	80/54	TX40	521854	1.814	21750	75
90180100	8,0	x	100/54	TX40	521861	2.224	16500	75
90180120	8,0	x	120/54	TX40	521878	2.634	16500	75
90180140	8,0	x	140/84	TX40	521885	3.044	16500	75
90180160	8,0	x	160/84	TX40	521892	3.454	16500	75
90180180	8,0	x	180/100	TX40	521908	3.864	12000	75
90180200	8,0	x	200/100	TX40	521915	4.274	12000	75
90180220	8,0	x	220/100	TX40	521922	4.684	12000	75
90180240	8,0	x	240/100	TX40	521939	5.094	10500	75
90180260	8,0	x	260/100	TX40	521946	5.504	10500	75
90180280	8,0	x	280/100	TX40	521953	5.914	10500	75
90180300	8,0	x	300/100	TX40	521960	6.324	10500	75
90180320	8,0	x	320/100	TX40	521977	6.734	8250	75
90180340	8,0	x	340/100	TX40	521984	7.144	8250	75
90180360	8,0	x	360/100	TX40	521991	7.554	8250	75
90180380	8,0	x	380/100	TX40	522004	7.964	8250	75
90180400	8,0	x	400/100	TX40	522011	8.374	8250	75

	Dimensions [mm]			Pull-out resistance		Head pull-through resistance		Shearing Timber - timber					Shearing Steel - timber		
															
Art. No.	Ø	L	b	zul. N _z	F _{ax,R,k}	zul. N _z	F _{head,R,k}	α=0°...90°	α _{AD} =90° α _{ET} =0°	1. F _{v,R,k}	α=90°	α _{AD} =0° α _{ED} =90°	α=0°...90°	α=0°	α=90°
								zul. N	1. F _{v,R,k}	2. F _{v,R,k}	3. F _{v,R,k}	4. F _{v,R,k}	zul. N	1. F _{v,R,k}	2. F _{v,R,k}
90180080	8,0	80	54	2,16	4,62	1,13	2,79	a)	a)	a)	a)	a)	1,36	6,18	5,29
90180100	8,0	100	54	2,16	4,62	1,13	2,79	1,10	3,68	4,25	3,50	3,89	1,36	6,18	5,29
90180120	8,0	120	54	2,16	4,62	1,13	2,79	1,10	3,68	4,25	3,50	3,89	1,36	6,18	5,29
90180140	8,0	140	84	3,36	7,19	1,13	2,79	1,10	3,89	4,25	3,62	3,89	1,36	6,82	5,94
90180160	8,0	160	84	3,36	7,19	1,13	2,79	1,10	3,89	4,25	3,62	3,89	1,36	6,82	5,94
90180180	8,0	180	100	4,00	8,56	1,13	2,79	1,10	3,89	4,25	3,62	3,89	1,36	7,16	6,28
90180200	8,0	200	100	4,00	8,56	1,13	2,79	1,10	3,89	4,25	3,62	3,89	1,36	7,16	6,28
90180220	8,0	220	100	4,00	8,56	1,13	2,79	1,10	3,89	4,25	3,62	3,89	1,36	7,16	6,28
90180240	8,0	240	100	4,00	8,56	1,13	2,79	1,10	3,89	4,25	3,62	3,89	1,36	7,16	6,28
90180260	8,0	260	100	4,00	8,56	1,13	2,79	1,10	3,89	4,25	3,62	3,89	1,36	7,16	6,28
90180280	8,0	280	100	4,00	8,56	1,13	2,79	1,10	3,89	4,25	3,62	3,89	1,36	7,16	6,28
90180300	8,0	300	100	4,00	8,56	1,13	2,79	1,10	3,89	4,25	3,62	3,89	1,36	7,16	6,28
90180320	8,0	320	100	4,00	8,56	1,13	2,79	1,10	3,89	4,25	3,62	3,89	1,36	7,16	6,28
90180340	8,0	340	100	4,00	8,56	1,13	2,79	1,10	3,89	4,25	3,62	3,89	1,36	7,16	6,28
90180360	8,0	360	100	4,00	8,56	1,13	2,79	1,10	3,89	4,25	3,62	3,89	1,36	7,16	6,28
90180380	8,0	380	100	4,00	8,56	1,13	2,79	1,10	3,89	4,25	3,62	3,89	1,36	7,16	6,28
90180400	8,0	400	100	4,00	8,56	1,13	2,79	1,10	3,89	4,25	3,62	3,89	1,36	7,16	6,28

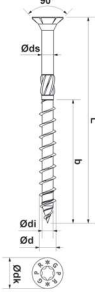
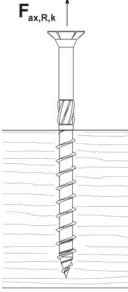
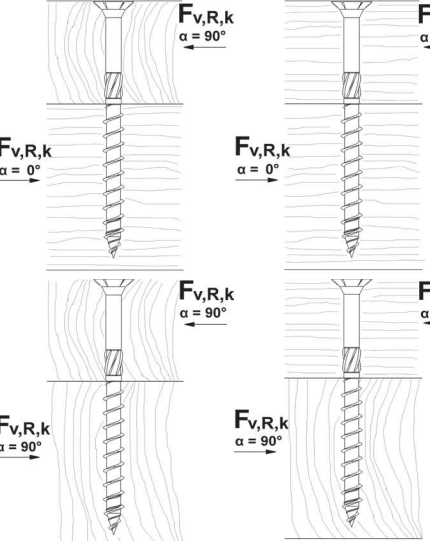
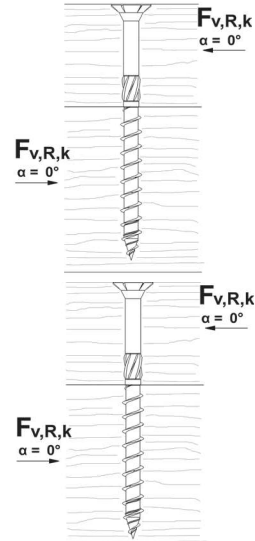
a) Min. component thickness for timber/timer connections not achieved

WOOD CONSTRUCTION SCREWS

GH S DRIVE



Art. No.	Dimensions [mm]				EAN	Weight	Pallet	PU
	Ø	x	L	TX				
					4019346	kg		
90110080	10,0	x	80/60	TX40	522028	2.793	14500	50
90110100	10,0	x	100/60	TX40	522035	3.234	11000	50
90110120	10,0	x	120/60	TX40	522042	3.828	11000	50
90110140	10,0	x	140/60	TX40	522059	4.422	11000	50
90110160	10,0	x	160/100	TX40	522066	5.016	11000	50
90110180	10,0	x	180/100	TX40	522073	5.610	11000	50
90110200	10,0	x	200/100	TX40	522080	6.204	8000	50
90110220	10,0	x	220/100	TX40	522097	6.798	8000	50
90110240	10,0	x	240/100	TX40	522103	7.392	8000	50
90110260	10,0	x	260/100	TX40	522110	7.986	8000	50
90110280	10,0	x	280/100	TX40	522127	8.580	7000	50
90110300	10,0	x	300/100	TX40	522134	9.174	7000	50
90110320	10,0	x	320/100	TX40	522141	9.768	5500	50
90110340	10,0	x	340/100	TX40	522158	10.362	5500	50
90110360	10,0	x	360/100	TX40	522165	10.956	5500	50
90110380	10,0	x	380/100	TX40	522172	11.550	5500	50
90110400	10,0	x	400/100	TX40	522189	12.144	5500	50

	Dimensions [mm]			Pull-out resistance		Head pull-through resistance		Shearing Timber - timber					Shearing Steel - timber		
															
Art. No.	Ø	L	b	zul. N _z	F _{ax,R,k}	zul. N _z	F _{head,R,k}	α=0°...90° zul. N	α _{AD} =90° α _{ET} =0° 1. F _{v,R,k}	1. F _{v,R,k}	α=90° 3. F _{v,R,k}	α _{AD} =0° α _{ED} =90° 4. F _{v,R,k}	α=0°...90° zul. N	α=0° 1. F _{v,R,k}	α=90° 2. F _{v,R,k}
90110080	10,0	80	60	3,00	5,70	1,71	4,18	a)	a)	a)	a)	a)	2,13	8,14	6,90
90110100	10,0	100	60	3,00	5,70	1,71	4,18	1,60	4,48	5,47	4,25	5,12	2,13	8,14	6,90
90110120	10,0	120	60	3,00	5,70	1,71	4,18	1,70	5,28	5,79	4,91	5,28	2,13	8,14	6,90
90110140	10,0	140	60	3,00	5,70	1,71	4,18	1,70	5,28	5,79	4,91	5,28	2,13	8,14	6,90
90110160	10,0	160	100	5,00	9,50	1,71	4,18	1,70	5,28	5,79	4,91	5,28	2,13	9,09	7,85
90110180	10,0	180	100	5,00	9,50	1,71	4,18	1,70	5,28	5,79	4,91	5,28	2,13	9,09	7,85
90110200	10,0	200	100	5,00	9,50	1,71	4,18	1,70	5,28	5,79	4,91	5,28	2,13	9,09	7,85
90110220	10,0	220	100	5,00	9,50	1,71	4,18	1,70	5,28	5,79	4,91	5,28	2,13	9,09	7,85
90110240	10,0	240	100	5,00	9,50	1,71	4,18	1,70	5,28	5,79	4,91	5,28	2,13	9,09	7,85
90110260	10,0	260	100	5,00	9,50	1,71	4,18	1,70	5,28	5,79	4,91	5,28	2,13	9,09	7,85
90110280	10,0	280	100	5,00	9,50	1,71	4,18	1,70	5,28	5,79	4,91	5,28	2,13	9,09	7,85
90110300	10,0	300	100	5,00	9,50	1,71	4,18	1,70	5,28	5,79	4,91	5,28	2,13	9,09	7,85
90110320	10,0	320	100	5,00	9,50	1,71	4,18	1,70	5,28	5,79	4,91	5,28	2,13	9,09	7,85
90110340	10,0	340	100	5,00	9,50	1,71	4,18	1,70	5,28	5,79	4,91	5,28	2,13	9,09	7,85
90110360	10,0	360	100	5,00	9,50	1,71	4,18	1,70	5,28	5,79	4,91	5,28	2,13	9,09	7,85
90110380	10,0	380	100	5,00	9,50	1,71	4,18	1,70	5,28	5,79	4,91	5,28	2,13	9,09	7,85
90110400	10,0	400	100	5,00	9,50	1,71	4,18	1,70	5,28	5,79	4,91	5,28	2,13	9,09	7,85

a) Min. component thickness for timber/timber connections not achieved

Features of GH S Drive

	Ø 4.0	Ø 4.5	Ø 5.0	Ø 6.0	Ø 8.0	Ø 10.0
d _k	8.0	9.0	10.0	12.0	15.0	18.5
d _i	2.6	2.8	3.3	4.0	5.3	6.2
d _s	2.8	3.2	3.5	4.3	5.9	7.1
TX	20	20	25	30	40	40
f _{tens,k,Stahl}	5.0	5.8	8.8	12.8	22.7	33.2
My _{k,Stahl}	3.2	4.9	6.5	10.1	22.6	33.0

Washer

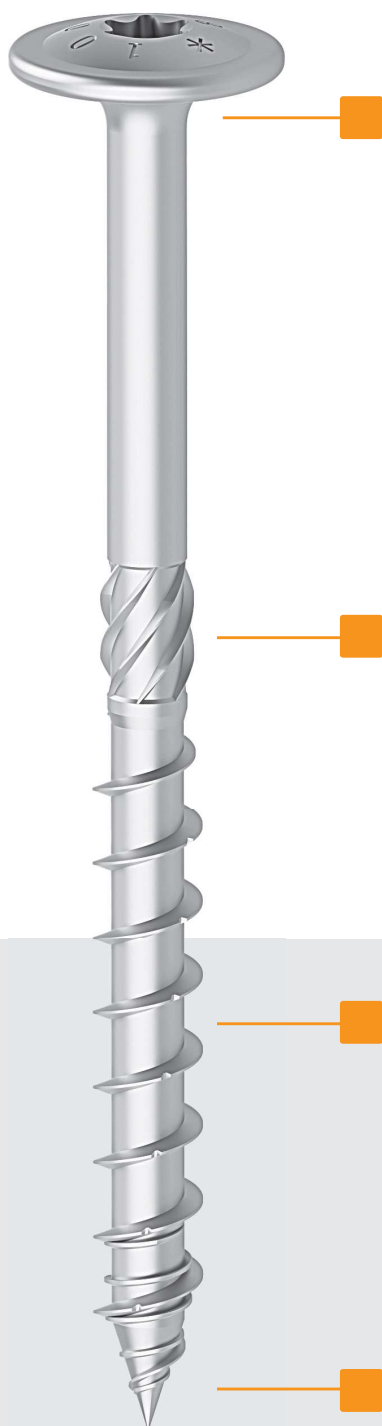
			Ø 6.0	Ø 8.0	Ø 10.0
Diameter		[mm]	22.0	28.0	35.0
Height		[mm]	4.5	6.0	7.0
Head pull-through parameters	Washer	[N/mm ²]	20.4	13.7	9.2
	Countersunk head	[N/mm ²]	14.6	12.4	12.2
	Plate head	[N/mm ²]	16.7	17.6	15.2
Head pull-through resistance	Washer	[kN]	9.87	10.74	11.27
	Countersunk head	[kN]	2.10	2.79	4.18
	Plate head	[kN]	3.27	7.04	9.5

GH WOOD CONSTRUCTION SCREW

SK DRIVE



The new **GH wood connection screw SK Drive** is available in the sustainable brown box.



HEAD

The disc head has clear advantages:

- High pull-through values without washer
- Smooth movement
- Gentle on materials

SHAFT MILL

The shaft mill reduces the turn-in resistance

THREAD

Tough thread with patented guide thread, rolled to the tip:

- Faster screw connection
- Minimised explosive effect
- Lower torque during screw-in
- No pilot drilling necessary

TIP

Patented guide thread tip with rolled flanks to the tip

For advantages see screw overview on page 297

The GH **SK Drive** wood construction screw is characterised by its fast screw fastening and lower torque when screwing in.

Tough thread incl. guide thread
patented guide thread.

Alternative head shape
Countersunk head **GH S Drive**.

GH SK DRIVE IN WHITE - BLUE GALVANISED

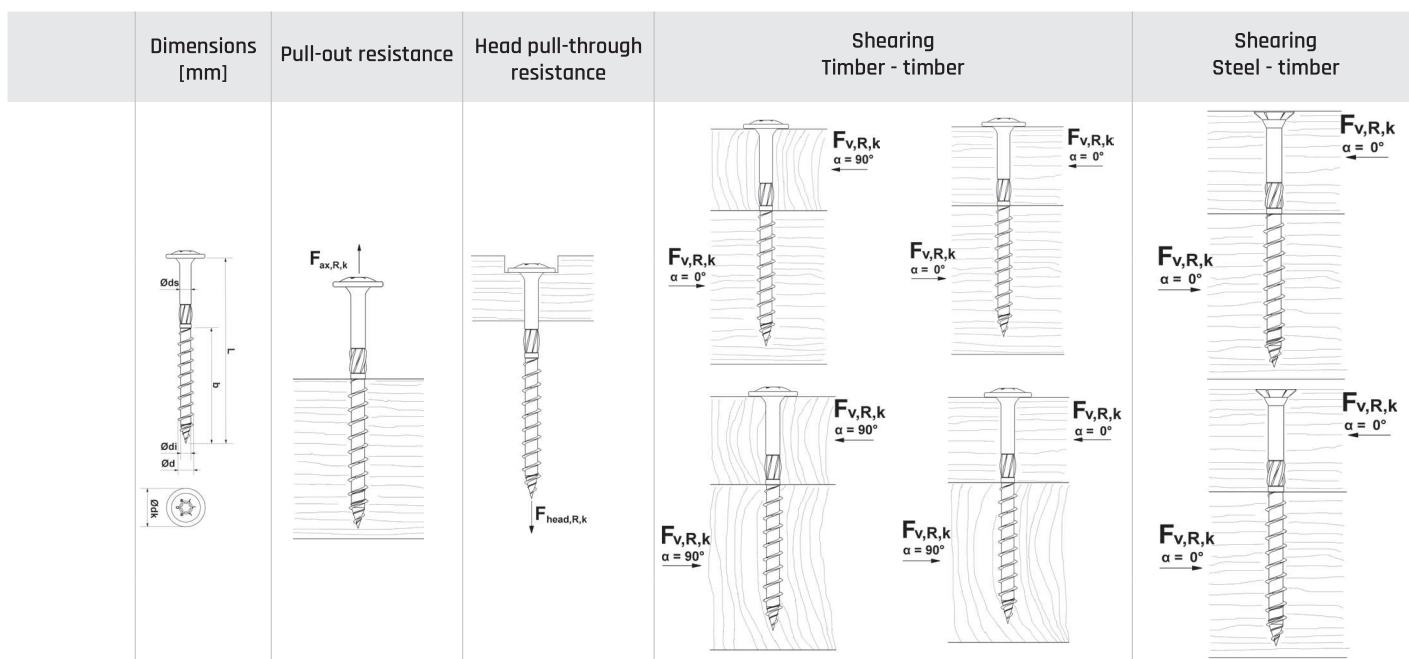


WOOD CONSTRUCTION SCREWS

GH SK DRIVE



Art. No.	Dimensions [mm]				EAN 4019346	Weight kg	Pallet	PU
	Ø	x	L	TX				
90360060	6,0	x	60/36	TX30	522196	0.880	36000	100
90360080	6,0	x	80/48	TX30	522202	1.060	29000	100
90360100	6,0	x	100/48	TX30	522219	1.360	22000	100
90360120	6,0	x	120/64	TX30	522226	1.560	22000	100
90360140	6,0	x	140/64	TX30	522233	1.960	22000	100
90360160	6,0	x	160/64	TX30	522240	2.200	11000	50
90360180	6,0	x	180/64	TX30	522257	2.440	11000	50
90360200	6,0	x	200/64	TX30	522264	2.680	8000	50
90380080	8,0	x	80/54	TX40	522271	2.043	14500	50
90380100	8,0	x	100/54	TX40	522288	2.455	11000	50
90380120	8,0	x	120/54	TX40	522295	2.867	11000	50
90380140	8,0	x	140/84	TX40	522301	3.279	11000	50
90380160	8,0	x	160/84	TX40	522318	3.691	8000	50
90380180	8,0	x	180/100	TX40	522325	4.103	8000	50
90380200	8,0	x	200/100	TX40	522332	4.515	8000	50
90380220	8,0	x	220/100	TX40	522349	4.889	7000	50
90380240	8,0	x	240/100	TX40	522356	5.339	7000	50
90380260	8,0	x	260/100	TX40	522363	5.751	7000	50
90380280	8,0	x	280/100	TX40	522370	6.163	5500	50
90380300	8,0	x	300/100	TX40	522387	6.575	5500	50
90380320	8,0	x	320/100	TX40	522394	6.987	5500	50
90380340	8,0	x	340/100	TX40	522400	7.399	5500	50
90380360	8,0	x	360/100	TX40	522417	7.811	5500	50
90380380	8,0	x	380/100	TX40	522424	8.223	5500	50
90380400	8,0	x	400/100	TX40	522431	8.635	5500	50



Art. No.								$\alpha=0^{\circ} \dots 90^{\circ}$	$\alpha_{AD}=90^{\circ}$		$\alpha=90^{\circ}$	$\alpha_{AD}=0^{\circ}$		$\alpha=0^{\circ} \dots 90^{\circ}$	$\alpha=0^{\circ}$		$\alpha=90^{\circ}$			
	$\varnothing$	L	b	zul. N _z	F _{ax,R,k}	zul. N _z	F _{head,R,k}		$\alpha_{ED}=0^{\circ}$			1. F _{v,R,k}	2. F _{v,R,k}		3. F _{v,R,k}	4. F _{v,R,k}		zul. N	1. F _{v,R,k}	2. F _{v,R,k}
									1. F _{v,R,k}	2. F _{v,R,k}										
90360060	6,0	60	36	1,08	2,81	0,98	3,27	0,61	1,94	1,94	1,94	1,94	0,77	3,01	3,01					
90360080	6,0	80	48	1,44	3,74	0,98	3,27	0,61	2,25	2,25	2,25	2,25	0,77	3,25	3,25					
90360100	6,0	100	48	1,44	3,74	0,98	3,27	0,61	2,45	2,45	2,45	2,45	0,77	3,25	3,25					
90360120	6,0	120	64	1,92	4,99	0,98	3,27	0,61	2,45	2,45	2,45	2,45	0,77	3,56	3,56					
90360140	6,0	140	64	1,92	4,99	0,98	3,27	0,61	2,45	2,45	2,45	2,45	0,77	3,56	3,56					
90360160	6,0	160	64	1,92	4,99	0,98	3,27	0,61	2,45	2,45	2,45	2,45	0,77	3,56	3,56					
90360180	6,0	180	64	1,92	4,99	0,98	3,27	0,61	2,45	2,45	2,45	2,45	0,77	3,56	3,56					
90360200	6,0	200	64	1,92	4,99	0,98	3,27	0,61	2,45	2,45	2,45	2,45	0,77	3,56	3,56					
90380080	8,0	80	54	2,16	4,62	2,00	7,04	a)	a)	a)	a)	a)	1,36	6,18	5,29					
90380100	8,0	100	54	2,16	4,62	2,00	7,04	1,10	4,14	4,70	3,95	4,35	1,36	6,18	5,29					
90380120	8,0	120	54	2,16	4,62	2,00	7,04	1,10	4,35	4,70	4,08	4,35	1,36	6,18	5,29					
90380140	8,0	140	84	3,36	7,19	2,00	7,04	1,10	4,95	5,31	4,69	4,95	1,36	6,82	5,94					
90380160	8,0	160	84	3,36	7,19	2,00	7,04	1,10	4,95	5,31	4,69	4,95	1,36	6,82	5,94					
90380180	8,0	180	100	4,00	8,56	2,00	7,04	1,10	4,95	5,31	4,69	4,95	1,36	7,16	6,28					
90380200	8,0	200	100	4,00	8,56	2,00	7,04	1,10	4,95	5,31	4,69	4,95	1,36	7,16	6,28					
90380220	8,0	220	100	4,00	8,56	2,00	7,04	1,10	4,95	5,31	4,69	4,95	1,36	7,16	6,28					
90380240	8,0	240	100	4,00	8,56	2,00	7,04	1,10	4,95	5,31	4,69	4,95	1,36	7,16	6,28					
90380260	8,0	260	100	4,00	8,56	2,00	7,04	1,10	4,95	5,31	4,69	4,95	1,36	7,16	6,28					
90380280	8,0	280	100	4,00	8,56	2,00	7,04	1,10	4,95	5,31	4,69	4,95	1,36	7,16	6,28					
90380300	8,0	300	100	4,00	8,56	2,00	7,04	1,10	4,95	5,31	4,69	4,95	1,36	7,16	6,28					
90380320	8,0	320	100	4,00	8,56	2,00	7,04	1,10	4,95	5,31	4,69	4,95	1,36	7,16	6,28					
90380340	8,0	340	100	4,00	8,56	2,00	7,04	1,10	4,95	5,31	4,69	4,95	1,36	7,16	6,28					
90380360	8,0	360	100	4,00	8,56	2,00	7,04	1,10	4,95	5,31	4,69	4,95	1,36	7,16	6,28					
90380380	8,0	380	100	4,00	8,56	2,00	7,04	1,10	4,95	5,31	4,69	4,95	1,36	7,16	6,28					
90380400	8,0	400	100	4,00	8,56	2,00	7,04	1,10	4,95	5,31	4,69	4,95	1,36	7,16	6,28					

a) Min. component thickness for timber/timber connections not achieved

Features of GH SK Drive

	Ø 6,0	Ø 8,0
d _k	14,0	20,0
d _i	4,0	5,3
d _s	4,3	5,9
TX	30	40
f _{tens,k,Stahl}	12,8	22,7
M _{y_k,Stahl}	10,1	22,6



CONICAL HEAD SCREW

GH KF



SHAFT MILL

Guiding, extended
shaft milling ribs for easy processing

Martensitic stainless steels,
non-rusting

for patios and façades, especially
for fixing solid wood

Optimum thread/shaft ratio
for high thread pull-out values

THREAD

Deep thread for a strong hold
in the edge area and in soft substructures

Fine thread

for precise adjustment of the screw-in depth

TIP

Thread through to the tip
for good "bite"

Pulled back notch drilling tip
for precise placement

For advantages see screw overview on page 297

1 2 3 4 5 6 7 9 10 11

GH KF ball head screw

Made of martensitic stainless steel 1.4006 for indoor and outdoor use. The special alloy, which significantly reduces the resistance to turning, is also suitable for fastening hardwoods.

The countersunk head warrants a clean head finish on the wood surface.

The deep thread flanks guarantee a firm hold even in soft substructures.



STAINLESS STEEL RUST-FREE 1.4006



Wood construction screw GH KF

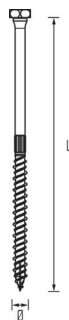
Art. No.	Dimensions [mm]				EAN	PU
	ø	x	L	TX		
					4019346	
92793565	5.0	x	50	TX25	516683	250
92793570	5.0	x	60	TX25	516690	200
92793575	5.0	x	70	TX25	516706	250





DUOFIX

HEXAGONAL HEAD



Art. No.	Dimensions [mm]				EAN 4019346	Weight kg	Pallet	PU
	Ø	x	L	TX				
92881304	8,0	x	40	TX30	518007	1.270	22250	100
92881305	8,0	x	50	TX30	518014	1.480	22250	100
92881306	8,0	x	60	TX30	518021	1.680	22250	50
92881307	8,0	x	70	TX30	518038	1.800	14500	50
92881308	8,0	x	80	TX30	518045	2.110	14500	50
92881310	8,0	x	100	TX30	518052	2.350	14500	50
92881312	8,0	x	120	TX30	518069	2.950	14500	50
92881314	8,0	x	140	TX30	518076	3.380	11000	50
92881316	8,0	x	160	TX30	518083	3.800	11000	50
92881318	8,0	x	180	TX30	518090	4.220	11000	50
92881320	8,0	x	200	TX30	518106	4.640	8000	50
92881322	8,0	x	220	TX30	518113	5.060	8000	50
92881324	8,0	x	240	TX30	518120	5.490	8000	50
92881326	8,0	x	260	TX30	518137	5.910	7250	50
92881328	8,0	x	280	TX30	518144	6.330	7250	50
92881330	8,0	x	300	TX30	518151	6.750	7250	50
92881332	8,0	x	320	TX30	518168	7.170	5500	50
92881334	8,0	x	340	TX30	518175	7.600	5500	50
92881336	8,0	x	360	TX30	518182	8.020	5500	50
92881338	8,0	x	380	TX30	518199	8.440	5500	50
92881340	8,0	x	400	TX30	518205	8.860	5500	50
92881406	10,0	x	60	TX40	518212	2.510	18000	50
92881407	10,0	x	70	TX40	518229	2.810	14500	50
92881408	10,0	x	80	TX40	518236	3.110	14500	50
92881410	10,0	x	100	TX40	518243	3.710	11000	50
92881412	10,0	x	120	TX40	518250	4.310	11000	50
92881414	10,0	x	140	TX40	518267	4.910	11000	50
92881416	10,0	x	160	TX40	518274	5.510	11000	50
92881418	10,0	x	180	TX40	518281	6.110	11000	50
92881420	10,0	x	200	TX40	518298	6.710	8000	50

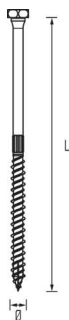
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TOP-Fix duo screws can be used as an alternative to the DIN 571 (key screw).

Advantages:

- No pilot drilling necessary
- The special glide coating allows quick turn-in, 10 x faster than DIN 571
- Extraction values up to 25% better than DIN 571
- 2 drives, SW or TX as required
- Length embossing in the head



DUOFIX

HEXAGONAL HEAD

Art. No.	Dimensions [mm]				EAN	Weight	Pallet	PU
	Ø	x	L	TX				
92881422	10,0	x	220	TX40	518304	7.310	8000	50
92881424	10,0	x	240	TX40	518311	7.910	8000	50
92881426	10,0	x	260	TX40	518328	8.510	7250	50
92881428	10,0	x	280	TX40	518335	9.110	7250	50
92881430	10,0	x	300	TX40	518342	9.710	7250	50
92881432	10,0	x	320	TX40	518359	10.310	5500	50
92881434	10,0	x	340	TX40	518366	10.910	5500	50
92881436	10,0	x	360	TX40	518373	11.510	5500	50
92881438	10,0	x	380	TX40	518380	12.110	5500	50
92881440	10,0	x	400	TX40	518397	12.710	5500	50
92881506	12,0	x	60	TX40	518403	3.380	7250	25
92881508	12,0	x	80	TX40	518410	4.170	7250	25
92881510	12,0	x	100	TX40	518427	4.690	7250	25
92881512	12,0	x	120	TX40	518434	5.750	7250	25
92881514	12,0	x	140	TX40	518441	6.540	5500	25
92881516	12,0	x	160	TX40	518458	7.330	5500	25
92881518	12,0	x	180	TX40	518465	8.120	5500	25
92881520	12,0	x	200	TX40	518472	8.910	4000	25
92881522	12,0	x	220	TX40	518489	9.700	4000	25
92881524	12,0	x	240	TX40	518496	10.490	4000	25
92881526	12,0	x	260	TX40	518502	11.280	3625	25
92881528	12,0	x	280	TX40	518519	12.070	3625	25
92881530	12,0	x	31	TX40	518526	12.860	3625	25
92881532	12,0	x	320	TX40	518533	13.650	2750	25
92881534	12,0	x	340	TX40	518540	14.440	2750	25
92881536	12,0	x	360	TX40	518557	15.230	2750	25
92881538	12,0	x	380	TX40	518564	16.020	2750	25
92881540	12,0	x	400	TX40	518571	16.810	2750	25