

R-DSX-A2 Stainless steel decking screws

Decking screws for outdoor applications of wood and chipboard



Product information

Features and benefits

- Stainless steel version to sustain mechanical properties for many years
- No pre-drilling required
- Drilling point to the very top of the screw for fast start
- The partial thread on the shaft of the screw allows multiple elements to be clamped together securely without separation
- Trim countersunk head with cutting ribs for easy countersinking and a precise flush finish
- TX drive guarantees secure transmission of screw-in torque and no pop-out of the bit
- Notched thread and wax coating for reduced friction
- Crack avoidance
- Energy saving screwdriver due to the minimized torque required to fix the screw.

Applications

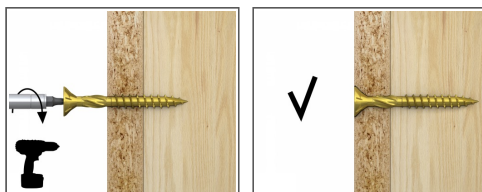
- Decking
- Wooden elements exposed to water or mist
- Outdoor chipboard constructions
- Laminated wood and exotic wood construction
- Wooden fences
- Plywood

Base materials

Approved for use in:

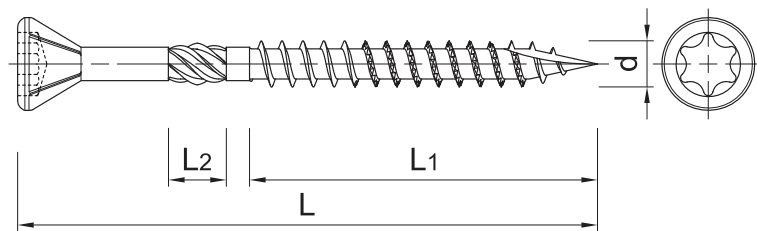
- Decking
- Timber
- Wood
- Chipboard
- Plywood
- Laminate
- PVC Profile

Installation guide



1. Choose the right length and diameter of the screw
2. Drive the screw straight until the head is flush
3. Screws with partial thread can clamp wooden parts avoiding spaces between them
4. Screws with trim countersunk head allow flush connection

Product information



Size	Product Code	Screw			Screw drive	Screw
		Diameter	Length			Length
		d	L	L2	-	L1
		[mm]	[mm]	[mm]	-	[mm]
4,0	R-DSX-4030-A2	4	30	-	T15	25
	R-DSX-4040-A2	4	40	6.5	T15	24
	R-DSX-4050-A2	4	50	6.5	T15	30
	R-DSX-4060-A2	4	60	6.5	T15	36
4,5	R-DSX-4540-A2	4.5	40	8	T20	24
	R-DSX-4550-A2	4.5	50	8	T20	30
	R-DSX-4560-A2	4.5	60	8	T20	36
	R-DSX-4570-A2	4.5	60	8	T20	36
	R-DSX-4580-A2	4.5	60	8	T20	36
5,0	R-DSX-5050-A2	5	50	8	T25	30
	R-DSX-5060-A2	5	60	8	T25	36
	R-DSX-5070-A2	5	70	8	T25	42
	R-DSX-5080-A2	5	80	8	T25	48
	R-DSX-5100-A2	5	100	8	T25	60
	R-DSX-5120-A2	5	120	8	T25	72

Basic performance data

Performance data for single anchor without influence of edge distance and spacing

Size				Ø4	Ø4,5	Ø5
Characteristic yield moment	$M_{y,k}$	[Nmm]		5162	7064	9345
Characteristic pull-out strength (perpendicular to grain)	$f_{ax,k}$	[N/mm ²]		24.12	22.05	20.67
Characteristic pull-out strength (parallel to grain)	$f_{ax,k}$	[N/mm ²]		17.12	14	11.79
Characteristic head pull-through strength	$f_{head,k}$	[N/mm ²]		30.64	31.64	37.61
Characteristic tensile strength	$f_{tens,k}$	[kN]		6.64	7.55	9.29
Characteristic torsional strength	$f_{tor,k}$	[Nm]		3.43	5.2	6.68
Characteristic ratio of moments (the ratio of torque and characteristic resistance)	$f_{tor,k} / R_{tor,k}$	[-]		2.5	2.2	2.6

Product commercial data

Product Code	Screw			Quantity [pcs]			Weight [kg]			Bar Codes
	Length [mm]			Box	Outer	Pallet	Box	Outer	Pallet	
R-DSX-4030-A2	30	-	25	200.0	6400.0	358400.0	0.34	10.8	633.9	5906675377346
R-DSX-4040-A2	40	6.5	24	200.0	3200.0	179200.0	0.45	7.1	428.7	5906675377353
R-DSX-4050-A2	50	6.5	30	200.0	3200.0	179200.0	0.56	8.9	529.1	5906675377360
R-DSX-4060-A2	60	6.5	36	200.0	2400.0	134400.0	0.67	8.0	478.2	5906675377377
R-DSX-4540-A2	40	8	24	200.0	3200.0	179200.0	0.55	8.8	521.9	5906675377384
R-DSX-4550-A2	50	8	30	200.0	3200.0	179200.0	0.68	10.8	634.8	5906675377391
R-DSX-4560-A2	60	8	36	200.0	2400.0	134400.0	0.82	9.8	579.7	5906675377407
R-DSX-4570-A2	60	8	36	100.0	1600.0	89600.0	0.48	7.7	463.7	5906675377414
R-DSX-4580-A2	60	8	36	100.0	1200.0	67200.0	0.55	6.6	398.9	5906675377421
R-DSX-5050-A2	50	8	30	100.0	1600.0	89600.0	0.44	7.0	419.8	5906675377438

Product commercial data

Product Code	Screw			Quantity [pcs]			Weight [kg]			Bar Codes
	Length [mm]			Box	Outer	Pallet	Box	Outer	Pallet	
R-DSX-5060-A2	60	8	36	100.0	1600.0	89600.0	0.51	8.2	487.0	5906675377445
R-DSX-5070-A2	70	8	42	100.0	1600.0	89600.0	0.60	9.5	563.1	5906675377452
R-DSX-5080-A2	80	8	48	100.0	1200.0	67200.0	0.67	8.0	480.2	5906675377469
R-DSX-5100-A2	100	8	60	100.0	1200.0	67200.0	0.84	10.1	595.2	5906675377476
R-DSX-5120-A2	120	8	72	100.0	1200.0	67200.0	1.00	12.0	701.3	5906675377483