

R-DSX Decking Screws

Decking screws for outdoor applications of wood and chipboard



Product information

Features and benefits

- Produced of hardened carbon steel with coating layer to avoid stain in outdoor applications
- 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
- Power and battery-saving

Applications

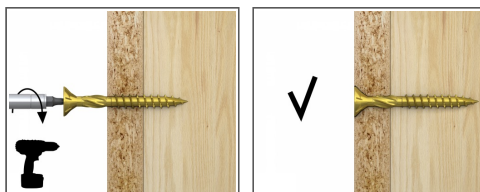
- Decking
- Wooden elements exposed to water or mist
- Outdoor chipboard constructions
- Laminated wood and exotic wood construction
- Wooden fences

Base materials

Approved for use in:

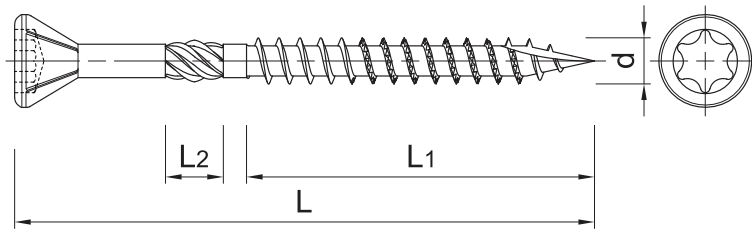
- Decking
- Timber
- Wood
- Chipboard
- Plywood
- Laminate
- PVC Profile

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

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]	4336	5934	7850
Characteristic pull-out strength (perpendicular to grain)	$f_{ax,k}$	[N/mm ²]	24.56	23.21	21.27
Characteristic pull-out strength (parallel to grain)	$f_{ax,k}$	[N/mm ²]	15.92	14	12.66
Characteristic head pull-through strength	$f_{head,k}$	[N/mm ²]	30.08	26.75	29.59
Characteristic tensile strength	$f_{tens,k}$	[kN]	5.63	6.82	7.47
Characteristic torsional strength	$f_{tor,k}$	[Nm]	3.4	4.19	5.68
Characteristic ratio of moments (the ratio of torque and characteristic resistance)	$f_{tor,k} / R_{tor,k}$	[-]	2.6	2.2	2.2

Product commercial data

Product Code	Screw			Quantity [pcs]			Weight [kg]			Bar Codes
	Length [mm]			Box	Outer	Pallet	Box	Outer	Pallet	
R-DSX-4030	30	25	-	200.0	6400.0	358400.0	0.32	10.2	603.4	5906675377193
R-DSX-4040	40	24	6.5	200.0	3200.0	179200.0	0.42	6.8	409.0	5906675377209
R-DSX-4050	50	30	6.5	200.0	3200.0	179200.0	0.53	8.5	503.1	5906675377216
R-DSX-4060	60	36	6.5	200.0	2400.0	134400.0	0.63	7.5	451.3	5906675377223
R-DSX-4540	40	24	8	200.0	3200.0	179200.0	0.54	8.6	509.4	5906675377230
R-DSX-4550	50	30	8	200.0	3200.0	179200.0	0.66	10.6	621.4	5906675377247
R-DSX-4560	60	36	8	200.0	2400.0	134400.0	0.79	9.4	558.9	5906675377254
R-DSX-4570	60	36	8	100.0	1600.0	89600.0	0.47	7.5	450.2	5906675377261
R-DSX-4580	60	36	8	100.0	1200.0	67200.0	0.53	6.4	388.8	5906675377278
R-DSX-5050	50	30	8	100.0	1600.0	89600.0	0.43	6.9	414.4	5906675377285

Product commercial data

Product Code	Screw			Quantity [pcs]			Weight [kg]			Bar Codes
	Length [mm]			Box	Outer	Pallet	Box	Outer	Pallet	
R-DSX-5060	60	36	8	100.0	1600.0	89600.0	0.50	8.1	480.7	5906675377292
R-DSX-5070	70	42	8	100.0	1600.0	89600.0	0.58	9.3	551.5	5906675377308
R-DSX-5080	80	48	8	100.0	1200.0	67200.0	0.67	8.1	480.9	5906675377315
R-DSX-5100	100	60	8	100.0	1200.0	67200.0	0.81	9.7	571.0	5906675377322
R-DSX-5120	120	72	8	100.0	1200.0	67200.0	0.95	11.4	668.4	5906675377339