

Iso-Dart



Cross references

Hammer drill SDS plus
Cordless hammer drill
Bit hexalobular TX30



Application range

For retrofitting of light to medium-heavy attachments to ETICS facades made of EPS, mineral wool and mineral foam, such as:

- > Downpipe brackets
- > Folding shutter latches
- > Signs and billboards
- > Lamps

Characteristics

- > Installation bush made of glass-fibre-reinforced plastic including a high-quality EPDM sealing washer and an EJOT facade anchor (Ø 8 mm)
- > Attachments are fastened with common hanger bolts or coarse thread screws
- > Common assembly tool
- > Recommended service load for each fixing point max. 15 kg

Benefits

- > High load-carrying capacity through load extension into the substrate
- > Reduced thermal transmission by thermal decoupling – Chi value 0.002 W/K according to TR 025
- > Waterproofing against the plaster shell with high-quality EPDM seal - Inspection of the resistance to driving rain in accordance with DIN EN 12155
- > Easy and quick installation

Technical specifications

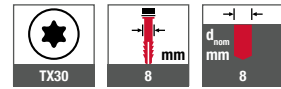
Processing in installation bush

Coarse thread screws	Ø 9 mm
Hanger bolts	Ø 9 mm, M10
Minimum installation depth	40 mm

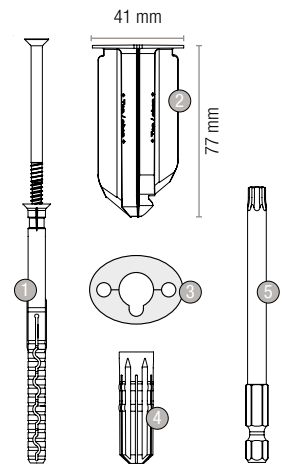
Processing in installation bush + reduction insert

Coarse thread screws	Ø 4 mm / Ø 5 mm
Minimum installation depth	35 mm

Technical specifications



Certifications



Included in delivery

- 10 EJOT facade anchors (1)
- 10 installation bushes (2)
- 10 seals (3)
- 10 reduction inserts (4)
- 1 installation bit (5)

Recommended service loads

Substrate	Raw density class ρ [kg/dm ³]	Minimum compressive strength f_c [N/mm ²]	Axial tensile strength ¹⁾ [kN]	Shear resistance [kN]
Concrete \geq C12/15	-	-	0.30	0.15
Solid clay brick	\geq 1.8	12	0.30	0.15
Solid sand-lime brick	\geq 1.8	12	0.30	0.15
Lightweight concrete brick	\geq 0.5	4	0.25	0.15
Vertically perforated brick	\geq 0.9	12	0.25	0.15
Perforated sand-lime brick	\geq 1.6	12	0.25	0.15
Lightweight concrete hollow blocks	\geq 0.5	2	0.15	0.15
Aerated concrete	\geq 0.5	4	0.20	0.15
Chipboards and OSB, $d \geq$ 18 mm	-	-	0.20	0.10
Solid construction timber (KVH), $d \geq$ 60mm	-	-	0.30	0.15

Details apply for the shear force transmission immediately after the bush. ¹⁾When using the reduction insert the axial force is limited to max. 0.2 kN.

Application matrix

Insulation thickness [mm]	Concrete and masonry ¹⁾	Solid wood ²⁾	Timber composite plates ²⁾ (OSB, chipboard d \geq 18 mm)
80	EJOT Iso-Dart 80	-	-
100	EJOT Iso-Dart 100	-	-
120	EJOT Iso-Dart 120	EJOT Iso-Dart 100	EJOT Iso-Dart 80
140	EJOT Iso-Dart 140	EJOT Iso-Dart 120	EJOT Iso-Dart 100
160	EJOT Iso-Dart 160	EJOT Iso-Dart 140	EJOT Iso-Dart 120
180	EJOT Iso-Dart 180	EJOT Iso-Dart 160	EJOT Iso-Dart 140
200	EJOT Iso-Dart 200	EJOT Iso-Dart 180	EJOT Iso-Dart 160
220	EJOT Iso-Dart 220	EJOT Iso-Dart 200	EJOT Iso-Dart 180
240	EJOT Iso-Dart 240	EJOT Iso-Dart 220	EJOT Iso-Dart 200
260	EJOT Iso-Dart 260	EJOT Iso-Dart 240	EJOT Iso-Dart 220
280	EJOT Iso-Dart 280	EJOT Iso-Dart 260	EJOT Iso-Dart 240
300	-	EJOT Iso-Dart 280	EJOT Iso-Dart 260
320	-	-	EJOT Iso-Dart 280

¹⁾ Tolerance compensation up to 30 mm. ²⁾ Using the screw without anchor sleeve - only pre-drill up to the substrate

Product online



Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
EJOT Iso-Dart 80*	10		8500080440	4039161012771
EJOT Iso-Dart 100*	10		8500100440	4039161012788
EJOT Iso-Dart 120*	10		8500120440	4039161012795
EJOT Iso-Dart 140	10		8500140440	4039161012801
EJOT Iso-Dart 160	10		8500160440	4039161012818
EJOT Iso-Dart 180	10		8500180440	4039161012825
EJOT Iso-Dart 200	10		8500200440	4039161012832
EJOT Iso-Dart 220	10		8500220440	4039161012849
EJOT Iso-Dart 240	10		8500240440	4039161012856
EJOT Iso-Dart 260*	10		8500260440	4039161012863
*EJOT Iso-Dart 280	10		8500280440	4039161013273

Order information: Product not available in the online shop. *Production article in case of order (see page 35)