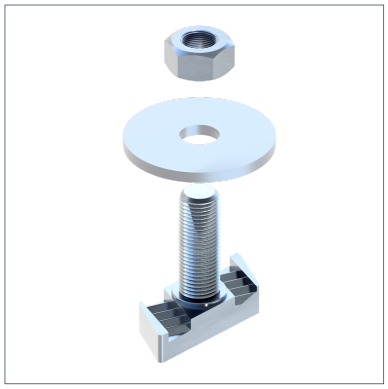
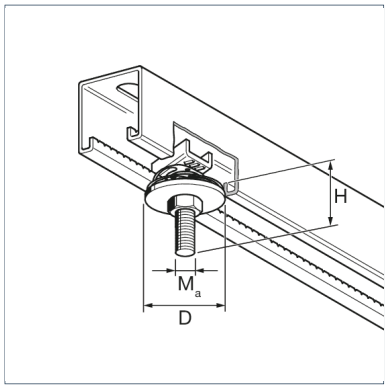
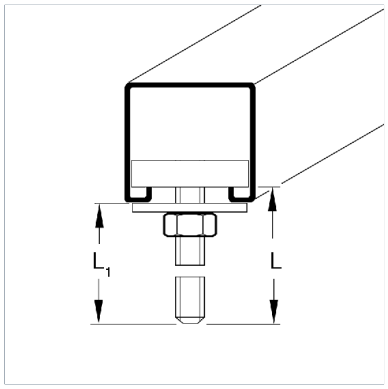
T-Head Bolt TBO HZ41







General Information

To be used with Channels MS 41.

Installation

Type	Tightening torque Mdmax [Nm]
HZ 41 M8	10
HZ 41 M10	18
HZ 41 M12	32
HZ 41 M16	79

Material Properties

Halogen-free	0
UV-resistant	0

Material

Primary element material	steel
Connecting element material	Steel Grade 4.6
Surface finish	electro galvanized (Fe//Zn)
Corrosion protection class	C2

Forces

Type	-V{X,perm.}	V{X,perm.}	-V{Z,perm.}
TBO HZ41 M 8 X 15	1,50 kN	1,50 kN	5,80 kN
TBO HZ41 M 8 X 20	1,50 kN	1,50 kN	5,80 kN
TBO HZ41 M 8 X 25	1,50 kN	1,50 kN	5,80 kN
TBO HZ41 M 8 X 35	1,50 kN	1,50 kN	5,80 kN
TBO HZ41 M 8 X 55	1,50 kN	1,50 kN	5,80 kN
TBO HZ41 M 8 X 75	1,50 kN	1,50 kN	5,80 kN
TBO HZ41 M 8 X95	1,50 kN	1,50 kN	5,80 kN
TBO HZ41 M10 X 15	2,50 kN	2,50 kN	9,30 kN
TBO HZ41 M10 X 20	2,50 kN	2,50 kN	9,30 kN
TBO HZ41 M10 X 25	2,50 kN	2,50 kN	9,30 kN
TBO HZ41 M10 X 35	2,50 kN	2,50 kN	9,30 kN
TBO HZ41 M10 X 55	2,50 kN	2,50 kN	9,30 kN
TBO HZ41 M10 X 75	2,50 kN	2,50 kN	9,30 kN

Type	-V{X,perm.}	V{X,perm.}	-V{Z,perm.}
TBO HZ41 M10 X 95	2,50 kN	2,50 kN	9,30 kN
TBO HZ41 M12 X 20	3,00 kN	3,00 kN	10,00 kN
TBO HZ41 M12 X 25	3,00 kN	3,00 kN	10,00 kN
TBO HZ41 M12 X 35	3,00 kN	3,00 kN	10,00 kN
TBO HZ41 M12 X 55	3,00 kN	3,00 kN	10,00 kN
TBO HZ41 M12 X 75	3,00 kN	3,00 kN	10,00 kN
TBO HZ41 M12 X 95	3,00 kN	3,00 kN	10,00 kN
TBO HZ41 M16 X 25	3,00 kN	3,00 kN	10,00 kN
TBO HZ41 M16 X 35	3,00 kN	3,00 kN	10,00 kN
TBO HZ41 M16 X 55	3,00 kN	3,00 kN	10,00 kN
TBO HZ41 M16 X 75	3,00 kN	3,00 kN	10,00 kN
TBO HZ41 M16 X 95	3,00 kN	3,00 kN	10,00 kN

Moments

Type	Permissible bending moment M{b,perm.}
TBO HZ41 M 8 X 15	5 Nm
TBO HZ41 M 8 X 20	5 Nm
TBO HZ41 M 8 X 25	5 Nm
TBO HZ41 M 8 X 35	5 Nm
TBO HZ41 M 8 X 55	5 Nm
TBO HZ41 M 8 X 75	5 Nm
TBO HZ41 M 8 X95	5 Nm
TBO HZ41 M10 X 15	10 Nm
TBO HZ41 M10 X 20	10 Nm
TBO HZ41 M10 X 25	10 Nm
TBO HZ41 M10 X 35	10 Nm
TBO HZ41 M10 X 55	10 Nm
TBO HZ41 M10 X 75	10 Nm
TBO HZ41 M10 X 95	10 Nm
TBO HZ41 M12 X 20	17,5 Nm
TBO HZ41 M12 X 25	17,5 Nm
TBO HZ41 M12 X 35	17,5 Nm
TBO HZ41 M12 X 55	17,5 Nm
TBO HZ41 M12 X 75	17,5 Nm
TBO HZ41 M12 X 95	17,5 Nm

Type	Permissible bending moment M{b,perm.}
TBO HZ41 M16 X 25	44,5 Nm
TBO HZ41 M16 X 35	44,5 Nm
TBO HZ41 M16 X 55	44,5 Nm
TBO HZ41 M16 X 75	44,5 Nm
TBO HZ41 M16 X 95	44,5 Nm

Note on loadings

The actual bending moment shouldn't exceed the bending moment of the channel acting laterally.

Types

Type	L	L_1	Weight	Quantity	Part number
TBO HZ41 M 8 X 15	20,00 mm	15,00 mm	0,078 kg/pcs.	50 pcs.	151953
TBO HZ41 M 8 X 20	25,00 mm	20,00 mm	0,078 kg/pcs.	50 pcs.	151962
TBO HZ41 M 8 X 25	30,00 mm	25,00 mm	0,081 kg/pcs.	50 pcs.	151971
TBO HZ41 M 8 X 35	40,00 mm	35,00 mm	0,084 kg/pcs.	50 pcs.	151980
TBO HZ41 M 8 X 55	60,00 mm	55,00 mm	0,089 kg/pcs.	50 pcs.	151999
TBO HZ41 M 8 X 75	80,00 mm	75,00 mm	0,097 kg/pcs.	50 pcs.	152006
TBO HZ41 M 8 X95	100,00 mm	95,00 mm	0,110 kg/pcs.	50 pcs.	152015
TBO HZ41 M10 X 15	20,00 mm	15,00 mm	0,083 kg/pcs.	50 pcs.	152024
TBO HZ41 M10 X 20	25,00 mm	20,00 mm	0,090 kg/pcs.	50 pcs.	152033
TBO HZ41 M10 X 25	30,00 mm	25,00 mm	0,087 kg/pcs.	50 pcs.	152042
TBO HZ41 M10 X 35	40,00 mm	35,00 mm	0,097 kg/pcs.	50 pcs.	152051
TBO HZ41 M10 X 55	60,00 mm	55,00 mm	0,105 kg/pcs.	50 pcs.	152060
TBO HZ41 M10 X 75	80,00 mm	75,00 mm	0,117 kg/pcs.	50 pcs.	152079
TBO HZ41 M10 X 95	100,00 mm	95,00 mm	0,124 kg/pcs.	50 pcs.	152088
TBO HZ41 M12 X 20	25,00 mm	20,00 mm	0,125 kg/pcs.	50 pcs.	152167
TBO HZ41 M12 X 25	30,00 mm	25,00 mm	0,128 kg/pcs.	50 pcs.	152176
TBO HZ41 M12 X 35	40,00 mm	35,00 mm	0,137 kg/pcs.	50 pcs.	152185
TBO HZ41 M12 X 55	60,00 mm	55,00 mm	0,150 kg/pcs.	50 pcs.	152194
TBO HZ41 M12 X 75	80,00 mm	75,00 mm	0,164 kg/pcs.	50 pcs.	152200
TBO HZ41 M12 X 95	100,00 mm	95,00 mm	0,179 kg/pcs.	50 pcs.	152219
TBO HZ41 M16 X 25	30,00 mm	25,00 mm	0,153 kg/pcs.	50 pcs.	152228
TBO HZ41 M16 X 35	40,00 mm	35,00 mm	0,170 kg/pcs.	50 pcs.	152237
TBO HZ41 M16 X 55	60,00 mm	55,00 mm	0,194 kg/pcs.	50 pcs.	152246
TBO HZ41 M16 X 75	80,00 mm	75,00 mm	0,225 kg/pcs.	50 pcs.	152255

T-Head Bolt TBO HZ41

Type	L	L_1	Weight	Quantity	Part number
TBO HZ41 M16 X 95	100,00 mm	95,00 mm	0,246 kg/pcs.	50 pcs.	152264

Dimensions

Type	D	H	Ma
TBO HZ41 M 8 X 15	40 mm	24,5 mm	M8
TBO HZ41 M 8 X 20	40 mm	29,5 mm	M8
TBO HZ41 M 8 X 25	40 mm	34,5 mm	M8
TBO HZ41 M 8 X 35	40 mm	44,5 mm	M8
TBO HZ41 M 8 X 55	40 mm	64,5 mm	M8
TBO HZ41 M 8 X 75	40 mm	84,5 mm	M8
TBO HZ41 M 8 X95	40 mm	104,5 mm	M8
TBO HZ41 M10 X 15	40 mm	24,5 mm	M10
TBO HZ41 M10 X 20	40 mm	29,5 mm	M10
TBO HZ41 M10 X 25	40 mm	34,5 mm	M10
TBO HZ41 M10 X 35	40 mm	44,5 mm	M10
TBO HZ41 M10 X 55	40 mm	64,5 mm	M10
TBO HZ41 M10 X 75	40 mm	84,5 mm	M10
TBO HZ41 M10 X 95	40 mm	104,5 mm	M10
TBO HZ41 M12 X 20	40 mm	28,5 mm	M12
TBO HZ41 M12 X 25	40 mm	33,5 mm	M12
TBO HZ41 M12 X 35	40 mm	43,5 mm	M12
TBO HZ41 M12 X 55	40 mm	63,5 mm	M12
TBO HZ41 M12 X 75	40 mm	83,5 mm	M12
TBO HZ41 M12 X 95	40 mm	103,5 mm	M12
TBO HZ41 M16 X 25	34,5 mm	33,5 mm	M16
TBO HZ41 M16 X 35	34,5 mm	43,5 mm	M16
TBO HZ41 M16 X 55	34,5 mm	63,5 mm	M16
TBO HZ41 M16 X 75	34,5 mm	83,5 mm	M16
TBO HZ41 M16 X 95	34,5 mm	103,5 mm	M16

Certification