V- Max Guided Sliding Pot Bearing
Position: -

Type	Q.ty	Code	Max. Design Loads [kN]			Movement [mm]		Total Rotation [mrad]	Weight [Kg]
			VERT.	HORIZ.	UPLIFTING	LONG.	TRANS.		
AGPL	-	AASHTO	SLS - ULS -	SLS - ULS -	-	±	- -	±20	-

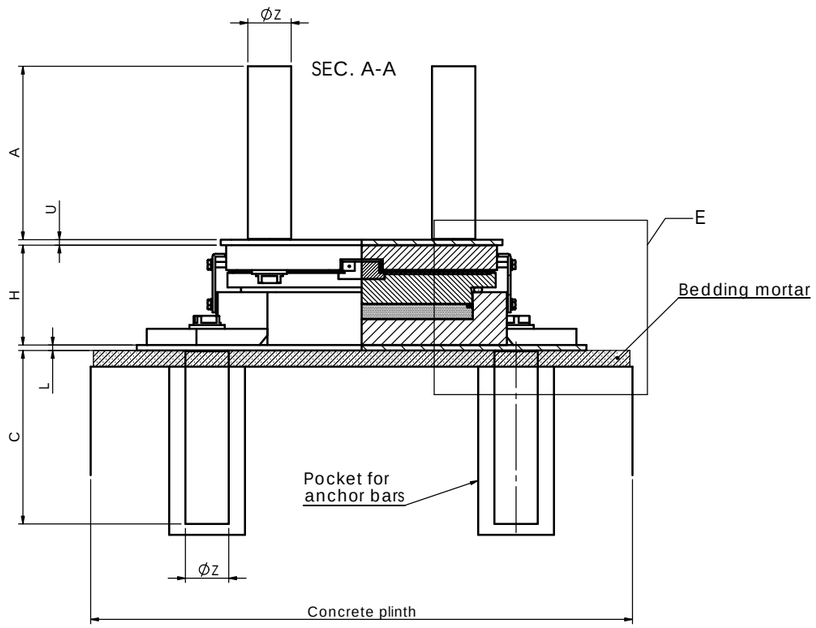
AGOM International Reference: XX-XXXXX — Irreversible Rotation ± mrad

BEARING NAME

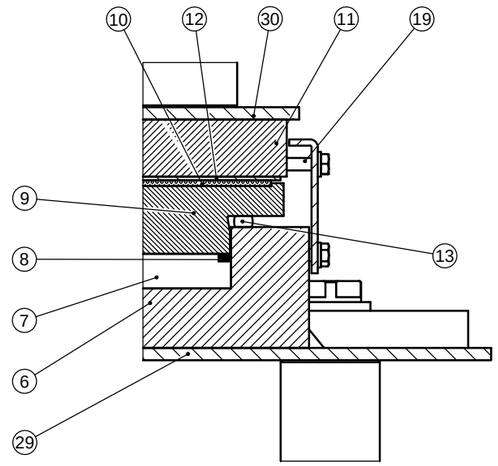
N_{Rd} = design vertical load
$V_{y,Rd}$ = design horizontal transversal load
$v_{x,d}$ = design (total) longitudinal movement

V-Max AGPL (**N_{Rd}**) / (**$v_{x,d}$**) - (**$V_{y,d}$**)

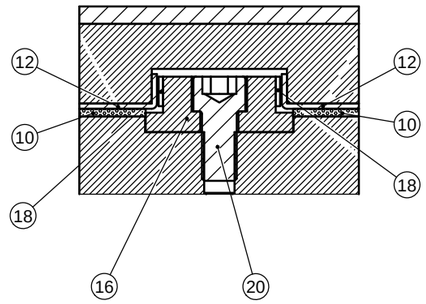
e.g.: V-Max AGPL 5000/100-700

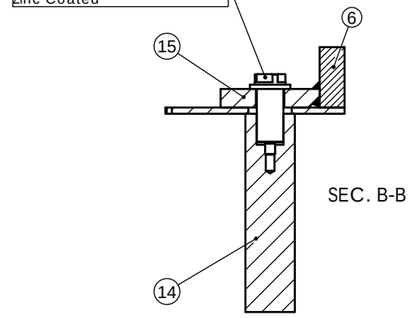


DETAIL E

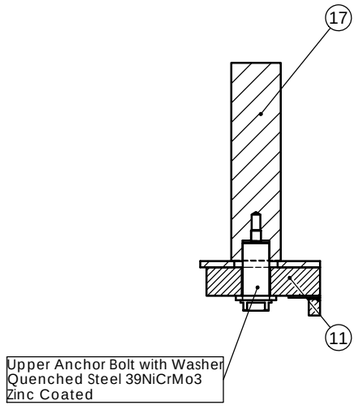


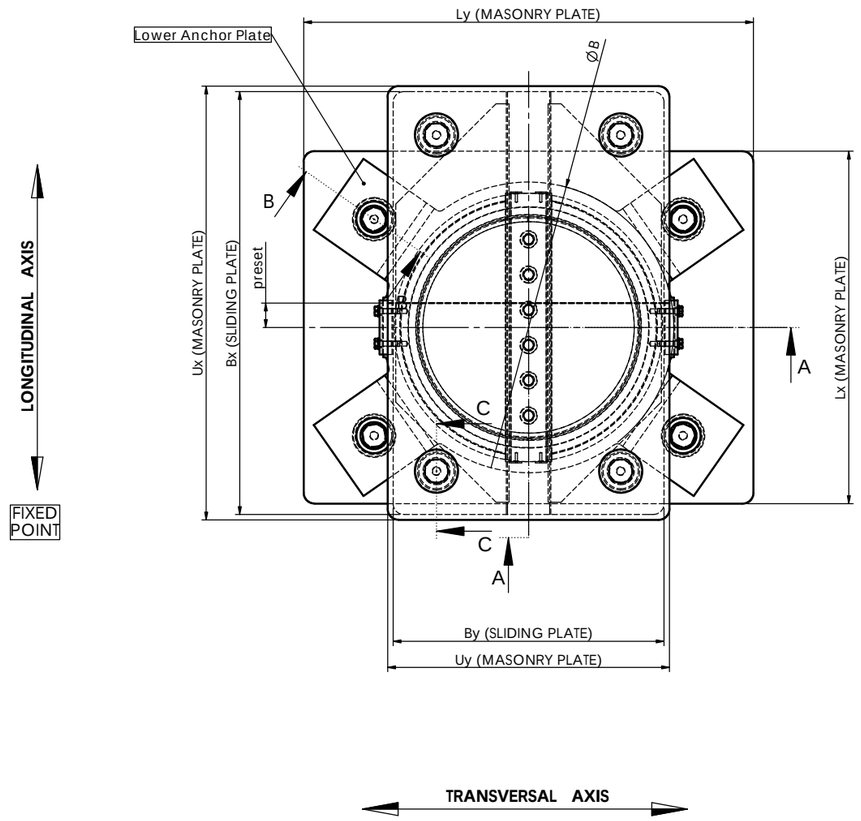
Guide Bar Detail

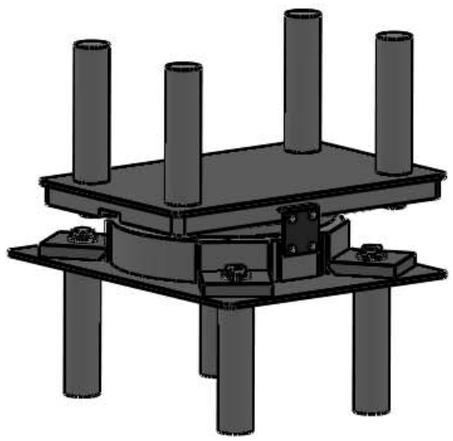




SEC. C-C







Legend

P= PRESET VALUE
POT Axis
Upper Plate Axis

NOTE A: PROTECTIVE ANTICORROSION CYCLE ACCORDING TO EN 1337-9

1 Sand-blasting at white metal SA2.5

2 Bicomponent epoxidic covering at high thickness — Silver Grey color RAL7001

Minimum thickness dry film — a) Exposed surface: 250 micron
b) Worked surfaces and contact surfaces of concrete: 70 micron

FOR POT BEARING HEIGHT THE TOLERANCE IS ACCORDING TO AASHTO LRFD

FOR STRUCTURAL DETAILS AND DIMENSIONS SEE THE CALCULATION REPORT

BEARINGS ARE REPLACEABLE BY MINIMUM DECK JACKING 5 mm

The sliding plates of bearings shall be supported by temporary tools while casting the deck, in order to avoid unwanted rotations and movements

Pos.	Quantity	Part Name	Material	Note
30	1	Upper Counterplate	S275JR - EN10025	A
29	1	Lower Counterplate	S275JR - EN10025	A
20	6	Guide Bolt	Gr. 8.8 zinc coated	-
19	2	Temporary fixing	S235JR (Red Painted) - EN10025	-
18	2	Guide sliding material	Dumetal	-
17	4	Upper Anchor Bar	S275JR - EN10025	-
16	1	Guide Bar	S355JR - EN10025	A
15	4	Lower Anchor Plate	S275JR - EN10025	A
14	4	Lower Anchor Bar	S275JR - EN10025	-
13	1	Seal	Neoprene Exp.	-
12	2	Sliding Surface	AISI 316 Sheet Metal	-
11	1	Upper Plate	S355JR - EN10025	A
10	2	Antifriction Plate	Virgin PTFE - AASHTO	-
9	1	Piston	S355JR - EN10025	A
8	3	Anti-Extrusion Gasket	ASTM B 36M (half hard)	-
7	1	Rubber Element	CR 50 ShA - AASHTO	-
6	1	Basement	S355JR - EN10025	A

Revision	Object	Date Last modified
00	First issue	23/09/2014

Drawn by	Checked by	Approved by
Gianni Ruco	Daniele Colombo	Marco Battaini

AGOM® IDEAS, ENGINEERING AND MANUFACTURE
AGOM INTERNATIONAL Srl
Via Mesero, 12
20010 Ossona (MI)

V-Max type AGPL
Guided longitudinal sliding pot bearing

Drawing number: 01620CD
Scale: 1:8