

Fatigue Resistant Open Spelter Socket type 700



European technical assessment: Part of ETA-11/0160.

Design: Subject to technical modifications!

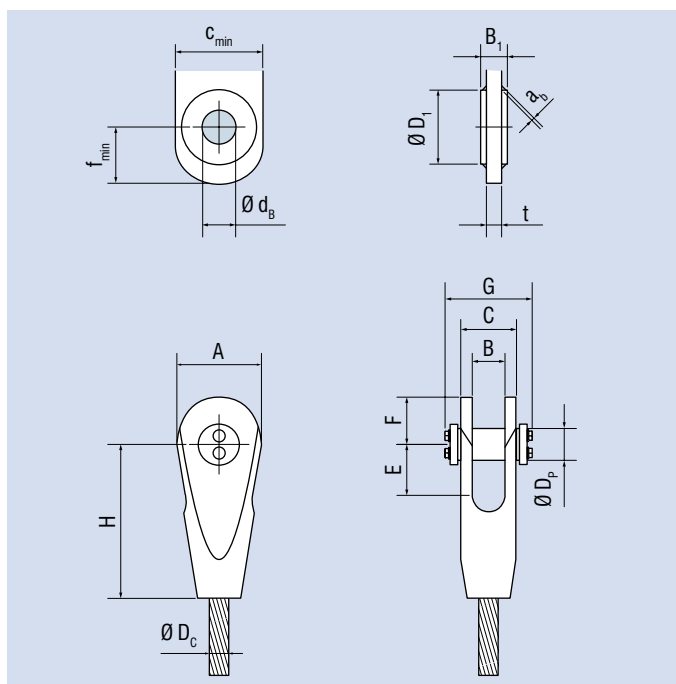
Fatigue strength: Detail category of cables according to EN 1993-1-11: $\Delta\sigma_c = 150 \text{ N/mm}^2$ bei $\gamma_{MF} = 1,0$; $\sigma_0 = 0,45 \times \sigma_{uk}$; $n = 2 \times 10^6$ number of cycles.

The open spelter sockets type 700 fulfill the exposure classes 1 to 5 according EN 1993-1-11.

Technical details: Dimensions without corrosion protection!

Total weight without potting material.

Socketing according to technical approval ETA-11/0160



Size			PV 40	PV 60	PV 90	PV 115	PV 150	PV 195	PV 240	PV 300	PV 360	PV 420	PV 490	PV 560	PV 640
Total weight	kg		3.8	6.9	12	16.5	23.6	33.9	46.8	63	81	104	131	163	197
Fork End															
Corrosion protection: hot-dip galvanized															
Dimension	A	mm	92	116	137	153	176	197	220	241	263	285	308	329	351
Dimension	B	mm	35	43	52	60	68	77	85	94	102	111	119	128	136
Dimension	C	mm	61	75	90	102	116	131	145	160	174	189	203	218	232
Dimension	E	mm	55	70	83	93	106	120	133	146	159	173	186	199	212
Dimension	F	mm	57	68	86	91	98	110	123	140	153	165	178	195	208
Dimension	H	mm	168	208	248	280	320	360	400	440	480	520	560	600	640
Pins															
Corrosion protection: hot-dip galvanized															
Pin length	G	mm	108	128	152	168	183	213	227	257	273	306	321	346	367
Pin diameter	ØD _p	mm	39	44	54	59	64	73	83	88	98	108	118	128	138
Connection Plate															
Material: S355															
Min. width	c _{min}	mm	110	120	140	155	180	200	220	240	270	300	320	340	370
Plate thickness	t	mm	20	20	25	30	30	40	40	50	50	50	50	60	60
Diameter drilled hole	Ød _B	mm	42	47	57	62	67	76	86	91	101	111	121	131	141
Diameter reinforcing plate	ØD ₁	mm	100	100	120	130	150	170	180	200	230	250	270	290	310
Edge distance	f _{min}	mm	62	75	90	100	110	120	140	150	170	185	200	215	235
Reinforcing plate thickness	B ₁	mm	29	36	45	52	60	69	76	85	92	100	107	114	121
Weld size	a _B	mm	3	4	5	5	6	6	7	7	8	10	11	11	12
Full locked Cables															
Nomin. strand diameter	Ø D _C	mm	21	26	31	35	40	45	50	55	60	65	70	75	80

Size			PV 720	PV 810	PV 910	PV 1010	PV 1110	PV 1220	PV 1340	PV 1450	PV 1580	PV 1730	PV 1860	PV 2000
Total weight	kg		232	279	330	386	445	514	598	672	761	865	969	1077
Fork End														
Corrosion protection: hot-dip galvanized														
Dimension	A	mm	372	395	416	438	459	484	511	532	555	577	599	621
Dimension	B	mm	145	153	162	170	179	187	196	204	213	221	230	238
Dimension	C	mm	247	261	276	290	305	319	334	348	363	377	392	406
Dimension	E	mm	226	239	252	265	279	292	305	318	332	345	358	371
Dimension	F	mm	220	233	253	263	276	286	299	312	325	338	351	364
Dimension	H	mm	680	720	760	800	840	880	920	960	1000	1040	1080	1120
Pins														
Corrosion protection: hot-dip galvanized														

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Size			PV 720	PV 810	PV 910	PV 1010	PV 1110	PV 1220	PV 1340	PV 1450	PV 1580	PV 1730	PV 1860	PV 2000	
Pin length	G	mm	382	406	432	457	474	498	513	527	542	577	592	607	
Pin diameter	$\varnothing D_p$	mm	142	153	162	172	182	187	202	207	217	227	237	247	
Connection Plate															
Material: S355															
Min. width	c_{min}	mm	390	420	440	470	500	540	570	600	630	670	690	700	
Plate thickness	t	mm	60	60	60	70	70	70	80	80	80	80	100	100	
Diameter drilled hole	$\varnothing d_b$	mm	145	156	165	175	185	190	205	210	220	230	240	250	
Diameter reinforcing plate	$\varnothing D_1$	mm	330	350	370	400	430	470	500	520	550	580	600	610	
Edge distance	f_{min}	mm	245	260	275	290	310	320	340	350	365	385	400	415	
Reinforcing plate thickness	B_1	mm	129	136	144	151	159	165	174	180	187	193	196	204	
Weld size	a_b	mm	13	14	16	16	16	16	16	18	18	20	18	20	
Full locked Cables															
Nomin. strand diameter	$\varnothing D_c$	mm	85	90	95	100	105	110	115	120	125	130	135	140	