

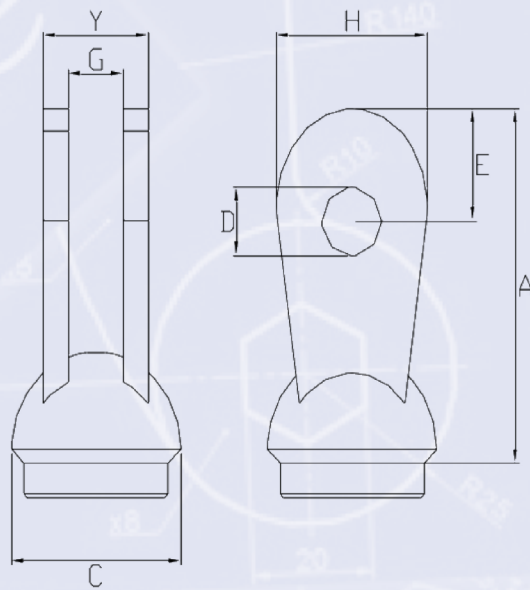
Macalloy Compression Struts

Technical Data

CAPACITY AND LENGTHS OF ARCHITECTURAL AND STANDARD COMPRESSION STRUTS														
System Ref.	M12	M16	M20	M24	M30	M36	M42	M48	M56	M64	M76	M85	M90	M100
Maximum Compressive Capacity (kN)	14	28	45	69	122	190	274	370	530	729	1064	1395	1589	2031
Maximum Pin To Pin Length (mm)	2369	2663	2671	3105	3357	3367	4498	6397	7097	7420	8188	9323	10291	11679
Carbon CHS O.D. (mm)	33.7	42.4	48.3	60.3	76.1	88.9	114.3	139.7	168.3	193.7	219.1	244.5	273	323.9
Carbon CHS Wall Thickness (mm)	4	5	5	5	5	5	6.3	10	10	10	12.5	16	16	16
Stainless CHS O.D. (mm)	33.4	42.4	48.3	60.3	73.0	88.9	114.3	141.3	CONTACT TECHNICAL FOR DETAILS					
Stainless CHS Wall Thickness (mm)	4.5	5.0	5.0	5.0	5.2	5.5	6.0	9.5	CONTACT TECHNICAL FOR DETAILS					

CAPACITY OF MACALLOY CHS FORK ENDS																
Macalloy Product Reference		Units	CSF 12	CSF 16	CSF 20	CSF 24	CSF 30	CSF 36	CSF 42	CSF 48	CSF 56	CSF 64	CSF 76	CSF 85	CSF 90	CSF 100
CHS Size To Fit	Outer Diameter	mm	33.7	42.4	48.3	60.3	76.1	88.9	114.3	139.7	168.3	193.7	219.1	244.5	273.0	323.9
	Wall Thickness	mm	4	5	5	5	5	5	6.3	10	10	10	12.5	16	16	16
Compressive Capacity		kN	52	99	122	174	272	374	534	735	1048	1437	2127	2723	3110	3686
Equivalent Macalloy Fork Size			M12	M16	M20	M24	M30	M36	M42	M48	M56	M64	M76	M85	M90	M100
Gusset Plate Thickness		mm	10	12	15	20	22	30	35	40	45	55	70	70	80	85
Weight		kg	0.25	0.51	1.0	1.4	2.4	3.7	6.2	10.8	15.8	20.5	40.3	59.3	74.0	100.0

CSF FORK END



MACALLOY CSF FORK END DIMENSIONS

Macalloy Product Reference	Units	CSF 12	CSF 16	CSF 20	CSF 24	CSF 30	CSF 36	CSF 42	CSF 48	CSF 56	CSF 64	CSF 76	CSF 85	CSF 90	CSF 100
A	mm	75	95	109	130	161	185	218	255	303	340	398	462	495	574
G (min.)	mm	13	16	20	25	30	35	40	45	49.5	59.5	76	76	86	91
C Dia.	mm	33.7	42.4	48.3	60.3	76.1	88.9	114.3	139.7	168.3	193.7	219.1	244.5	273	323.9
D Dia.	mm	13	17	21.5	25.5	31.5	37.5	43.5	49.5	57.5	65.5	78.5	91.5	96.5	111.5
E	mm	22	29	34	42	52	61	70	81	97	111	132	153	162	189
Y	mm	22	28	37	44	53	64	75	87	97.5	115.5	146	153	169	174
H	mm	34	45	53	64	81	93	109	123	147	169	201	236	248	289



Macalloy

100
years
1921-2021

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