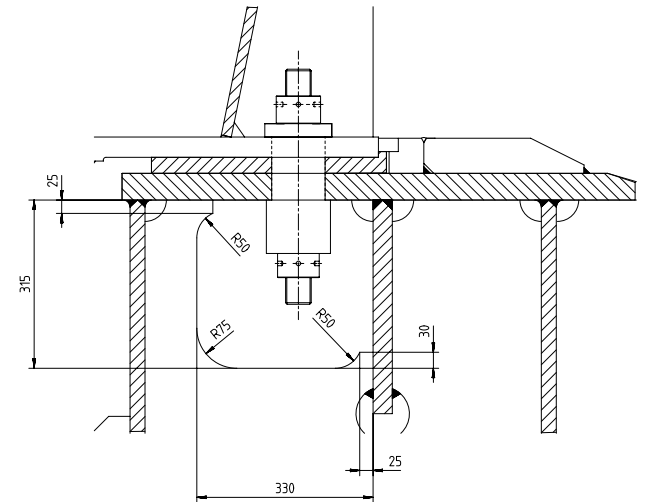
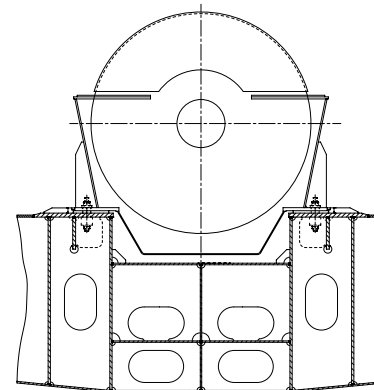


DETAIL N
SCALE 1:5

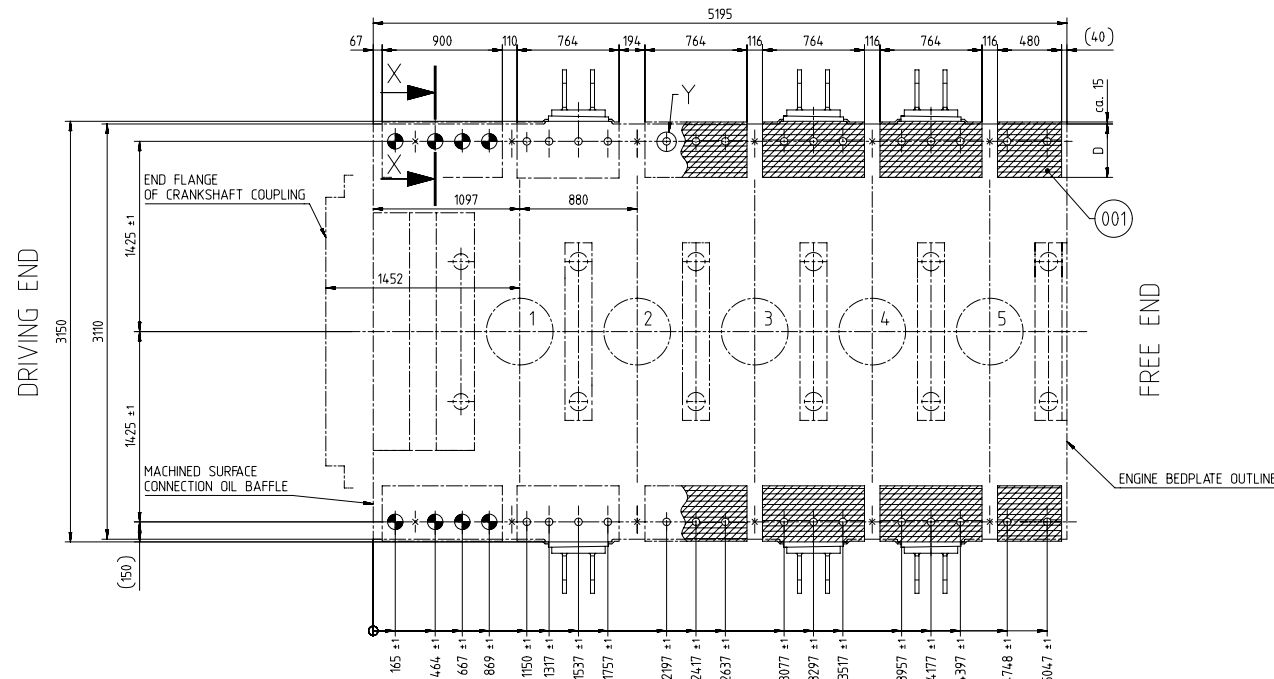


*2) Chock thickness 30^{+30}_{-5}
- Final chock thickness to be determined by shipyard.



SURFACE PROTECTION SEE GROUP 0304	Made	16.06.2010	jba029 Baumann	Scale	1:14	Size	A1	Page	1/3	Material		Rev.	
TOLERANCING PRINCIPLE ISO8015	Chkd			Design Group		Drawing	107.401.665					B	
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	04.07.2008	MPR002 Prstec		9710								

B-B CHOCKING AND DRILLING PLAN FOR FOUNDATION BOLTS

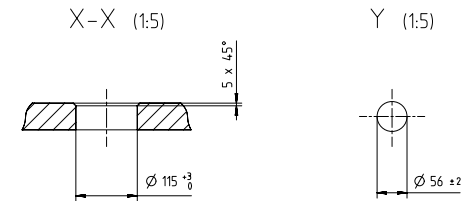


Remarks:

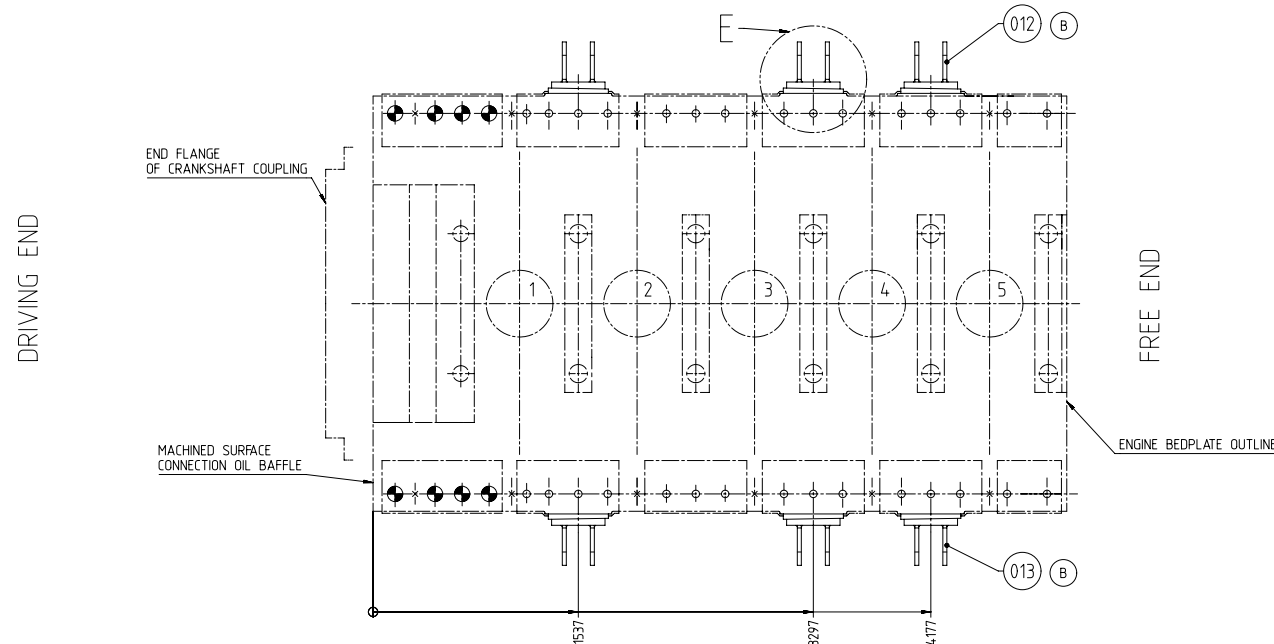
- *1) For the layout is taken into consideration:
 - A max. permissible static load of 0.7 N/mm²
 - Engine holding down studs fully tightened according to fitting instructions
 - Engine mass (incl. net engine mass, vibration damper, flywheel, water and oil)
- *2) The max. permissible mean surface pressure of the epoxy resin chocks is to be determined by the shipyard in accordance with the relevant classification society rules.
- *3) Referring to a standardized chock thickness of 25 up to 60 mm.

Table 1: Dimensions of epoxy resin chocks *1)

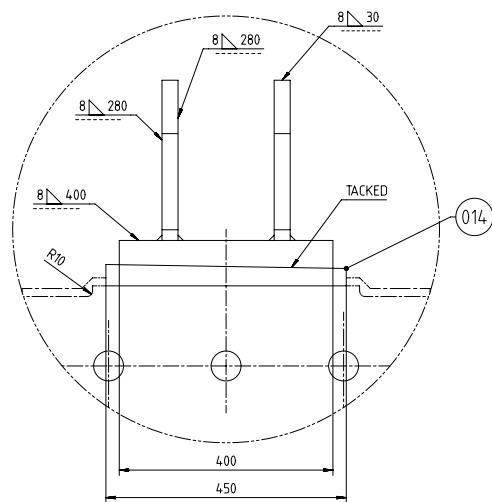
No. of Cyl.	Max. perm. mean surface pressure of chock *2)	Total chock length	Required chock depth		Total net chocking area	Required quantity of epoxy resin material *3)	
			D	400		min.	max.
						(dm³)	
5	4.5	4436	D	400	33924	92	218



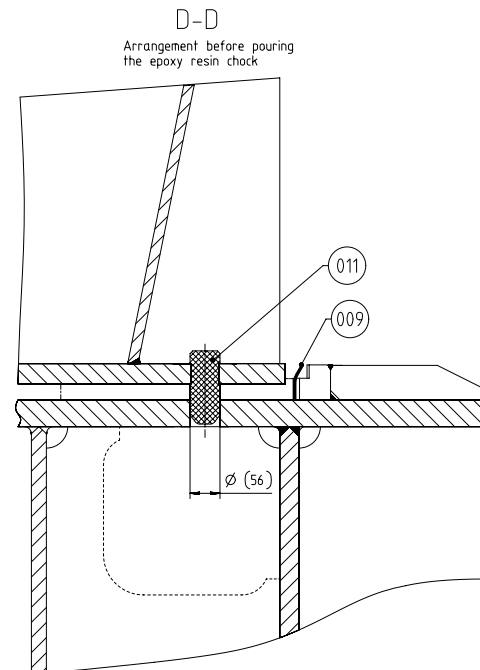
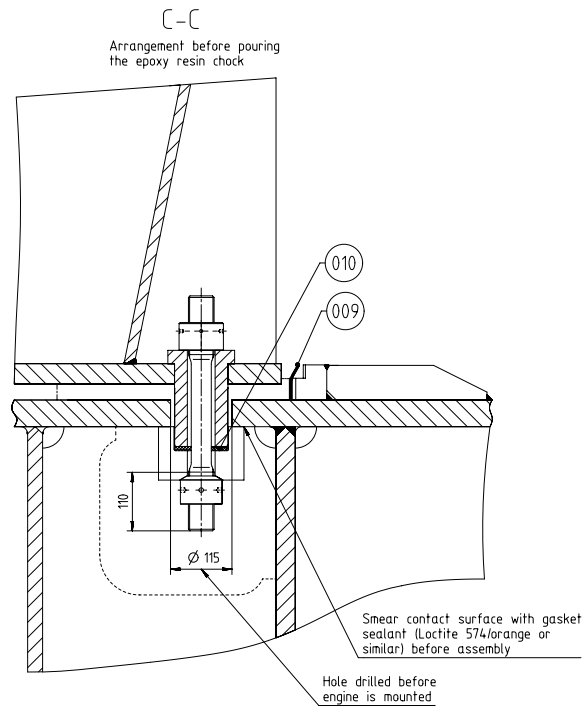
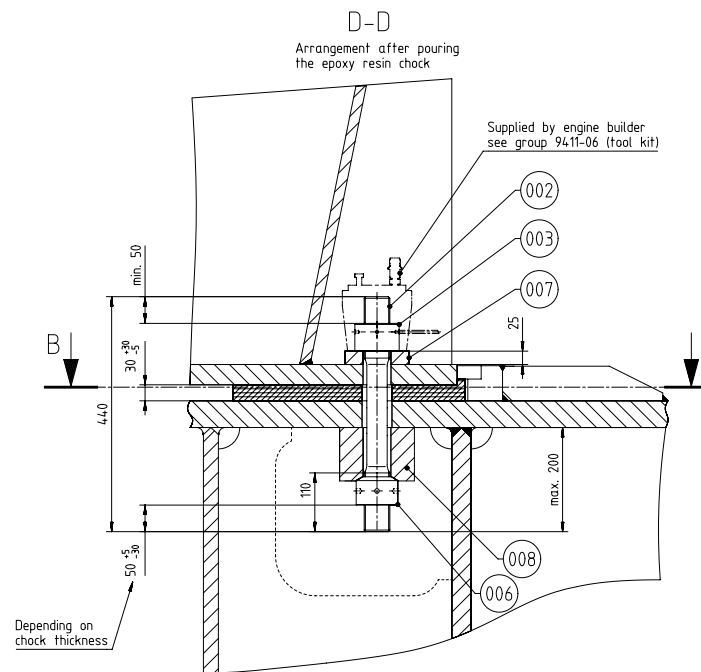
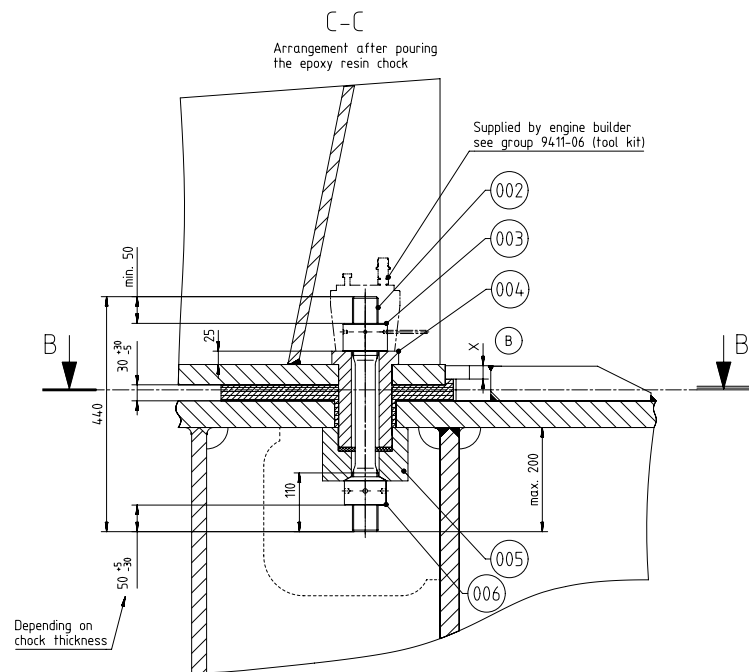
B-B ENGINE SIDE STOPPER ARRANGEMENT WITH WELDED TYPE



(B) DETAIL E SCALE 1:5



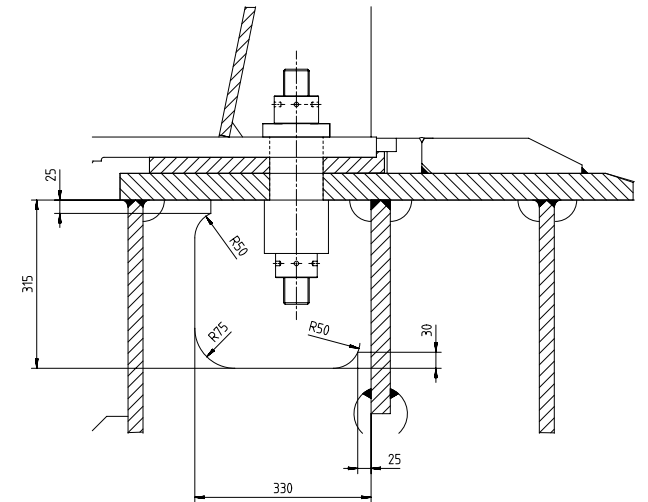
Mod. 1		Mod. 2		Mod. 3		Mod. 4		Mod. 5		Mod. 6		Mod. 7		Mod. 8		Mod. 9		Mod. 10		Mod. 11		Mod. 12		Mod. 13		Mod. 14		Mod. 15		Mod. 16	
Number		Drawn date		Number		Drawn date		Number		Drawn date		Number		Drawn date		Number		Drawn date		Number		Drawn date		Number		Drawn date		Number		Drawn date	
EAAD082071		30.06.2010		EAAD089996		18.02.2019																									
Product		SRT-flex50		SRT-flex50-B		SRT-flex50-D		SRT-flex50DF																							
ENGINE SEATING/FOUNDATION THRUST SLEEVES																															
Units		mm kg		NX		Basic Material		Scale		1:14		Size		A1		Page		2/3		Material				Net Weight							
SURFACE PROTECTION SEE GROUP 0344		Made		16.06.2010		Jba029 Baumann		Design Group		9710		Drawing		B		107.4.01.665		Rev.		B											
TOLERANCING PRINCIPLE ISO8015		Appd		04.07.2008		MPR002 Pratic																									
GENERAL TOLERANCES ACCORDING TO ISO2768-mK																															



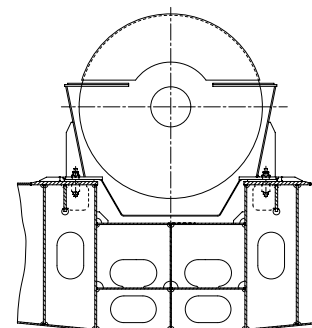
(B) CONTACT SURFACE BETWEEN WEDGE AND ENGINE BEDPLATE

RT-flex50/-B/-D/DF
X [mm] Min. 12

Modell		Free space for file		G-Code		Main Drw.	
EAAD082071		30.06.2010		EAAD089996		18.02.2019	
Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
Product				ENGINE SEATING/FOUNDATION THRUST SLEEVES			
SRT-flex50				SRT-flex50-B			
SRT-flex50-D				SRT-flex50DF			
WINGO				Wärthner Gas & Diesel			
Units	mm kg	NX	Basic Material	Scale	1:5	Size	A1
Made	16.06.2010	jb029	Baumann	Design Group	9710	Material	107.401.665
Chkd	04.07.2008	MPR002	Prstec	Design Group	9710	Material	107.401.665
SURFACE PROTECTION SEE GROUP 0344				TOLERANCING PRINCIPLE ISO8015			
GENERAL TOLERANCES ACCORDING TO ISO2768-mK				Rev. B			



*2) Chock thickness 30^{+30}_{-5}
- Final chock thickness to be determined by shipyard.



Material	Volume	Grain Size	Material	Volume	Grain Size	Material	Volume	Grain Size
			Product:			ENGINE SEATING/FOUNDATION FITTED STUDS		
			SRT-flex50					
			SRT-flex50-B					
			SRT-flex50-D					
			SRT-flex50DF					

	Units	mm kg	NX		basic material					net weight	
SURFACE PROTECTION SEE GROUP 0344	Made	06.10.2009	J.Baumann	Scale	1:40	Size	A1	Page	1/3	Material ID	
TOLERANCING PRINCIPLE ISO8015	Chkd			Design Group	9710	Drawing ID	107.426.720				Rev.
GENERAL TOLERANCES ACCORDING TO ISO2676-mk	Appd	14.10.2009	JBA029 Baumann								B

B-B CHOCKING AND DRILLING PLAN FOR FOUNDATION BOLTS

Dimensions: 5195, 67, 900, 110, 764, 194, 764, 116, 764, 116, 764, 116, 480, (40), 3150, 3110, 1452, 1097, 880, 145, 44, 67, 880, 1150, 1317, 1537, 1757, 2997, 2417, 2637, 3077, 3297, 3517, 3957, 4777, 4397, 4748, 5047, (50).

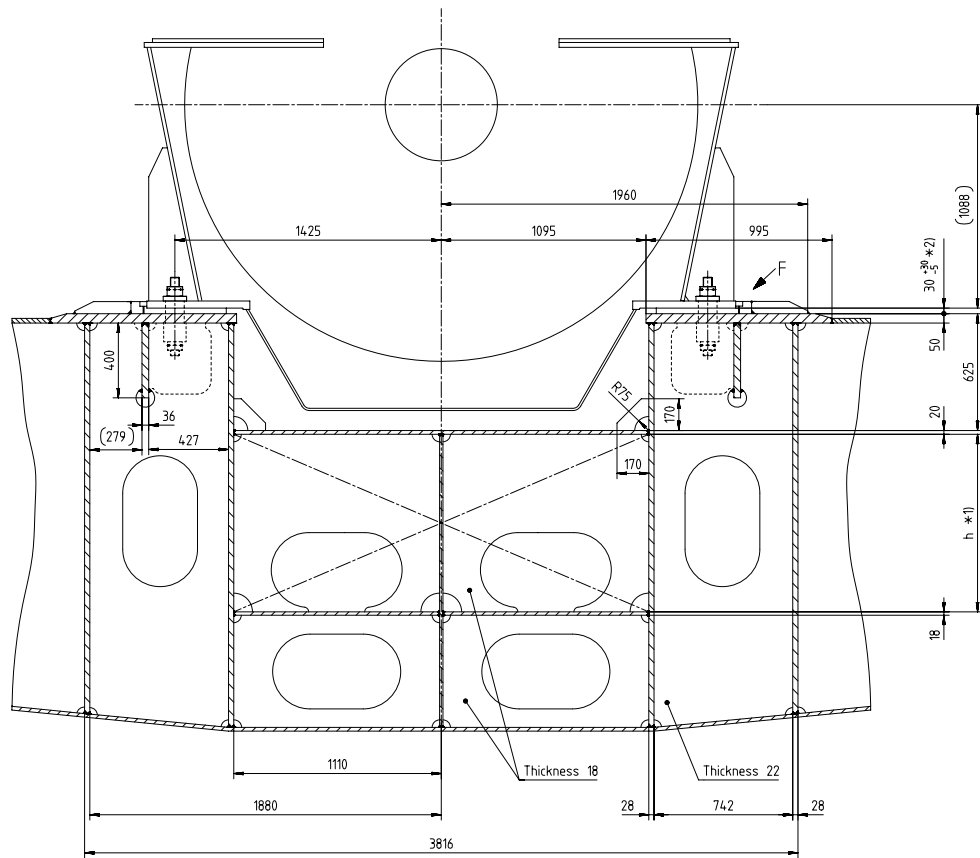
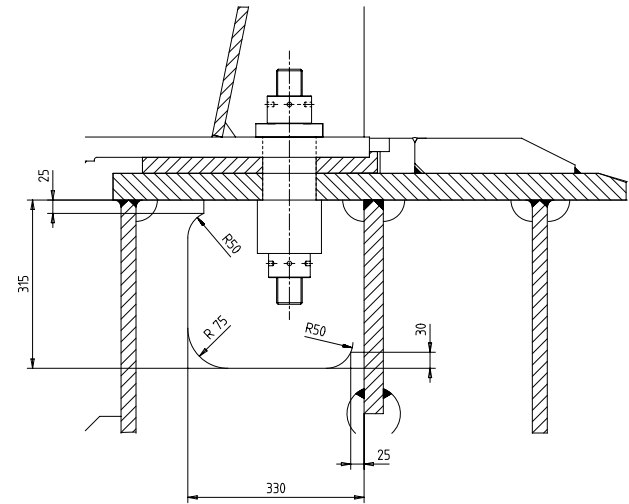
Callouts: X, Y, 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015, 016, 017, 018, 019, 020, 021, 022, 023, 024, 025, 026, 027, 028, 029, 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 043, 044, 045, 046, 047, 048, 049, 050, 051, 052, 053, 054, 055, 056, 057, 058, 059, 060, 061, 062, 063, 064, 065, 066, 067, 068, 069, 070, 071, 072, 073, 074, 075, 076, 077, 078, 079, 080, 081, 082, 083, 084, 085, 086, 087, 088, 089, 090, 091, 092, 093, 094, 095, 096, 097, 098, 099, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 76

Table 1: Dimensions of epoxy resin chocks *1)

[illegible]

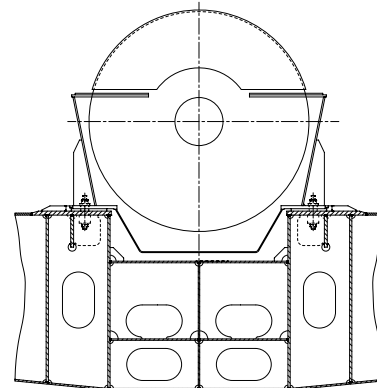
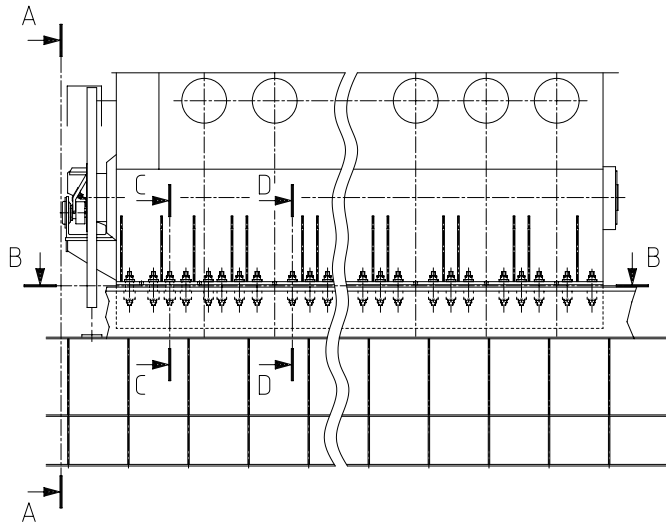
SURFACE PROTECTION SEE GROUP 0344		Units	net kg	NX		Basic Material	Net Weight		
TOLERANCING PRINCIPLE ISO8015		Made	06.10.2009	J.Baumann	Scale	1:2.5	Size	A0	
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Chd			Design Group	9710	Page	2/3	
		Appl	14.10.2009	JBA029 Baumann	Sheeting		Material	107.426.720	
								Rev.	B

A-A (1:14)

C DETAIL F
SCALE 1:5

Remarks:

*1) Height to be determined by shipyard. For dimensions layout of lub. oil drain tank and drains refer to design group 9722.

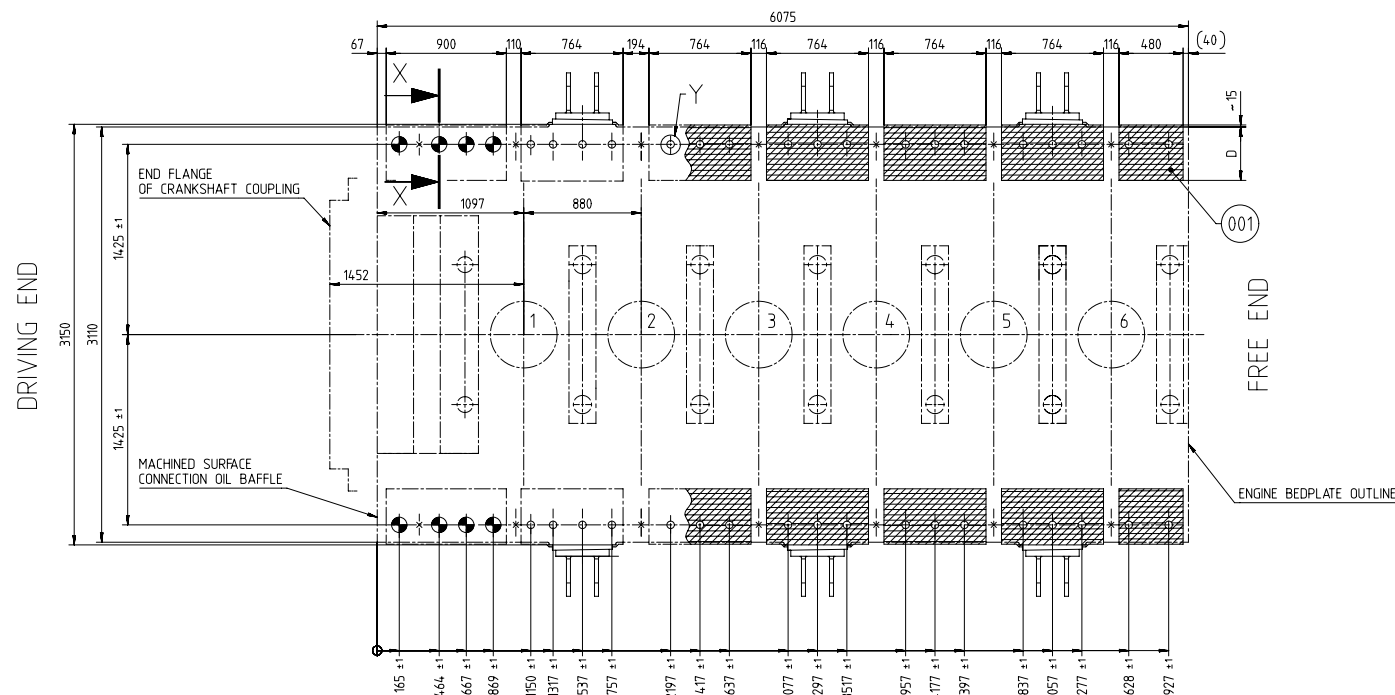
*2) Chock thickness 30^{+30}_{-5}
- Final chock thickness to be determined by shipyard.

Weight	*2) Chock thickness 30 ⁺³⁰ ₋₅ - Final chock thickness to be determined by shipyard.									
976										
1	015	107.401.839.500	FITTING INSTRUCTIONS	107.401.839		0,001				
6	014	107.325.275.001	WEDGE	107.325.275	W-FU-235-JR	3,8				
3	013	FAAD319194	ENGINE SIDE STOPPER	DAAD112248		24,0				
3	012	107.402.028.200	ENGINE SIDE STOPPER	107.402.028		24,0				
36	011	107.401.837.001	PLUG	107.401.837	Rubber750	0,2				
8	010	107.401.836.001	JOINT DISC	107.401.836	Rubber750	0,05				
1	009	107.367.119.001	SEALING PIECE	107.367.119		0,001				
36	008	107.401.838.001	BUSH	107.401.838	34CrMo4SOM 435	7,8				
36	007	107.343.352.001	SEATING WASHER	107.343.352	34CrMo4SOM 435	1,8				
4,4	006	107.246.051.001	SPHERICAL ROUND NUT	107.246.051	34CrMo4	1,2				
8	005	107.401.787.001	BUSH	107.401.787	34CrMo4SOM 435	10,1				
8	004	107.401.785.001	SLEEVE	107.401.785	34CrMo4SOM 435	8,3				
4,4	003	107.345.876.008	ROUND NUT	107.345.876	42CrMo4SOM 440	1,42				
4,4	002	107.401.786.001	ELASTIC BOLT	107.401.786	34CrMo4SOM 435	4,4				
1	001	107.398.394.500	EPOXY RESIN	107.398.394		0,001				
PER ENGINE	Quantity	Material ID	Material Name	Standard or Drawing	Basic Material	Weight GRUNET				
	107.401.666.200									
	Mod.	Free space for file								
	1	EAAD082071	30.06.2010	EAAD084882	06.11.2013	EAAD089996	18.02.2019			
	Number	Draw date	Number	Draw date	Number	Draw date	Number	Draw date		

WINGO
Wärthner Gas & DieselProduct
6RT-flex50
6RT-flex50-B
6RT-flex50-D
6RT-flex50DFENGINE SEATING/FOUNDATION
THRUST SLEEVES

SURFACE PROTECTION SEE GROUP 0344	Made	16.06.2010	107.401.666.200	Scale	1:15	Size	A1	Page	1/3	Material	107.401.666.200	Net Weight	
TOLERANCING PRINCIPLE ISO8015	Chd	04.07.2008	MPR002	Pratic	9710	107.401.666.200	107.401.666.200	107.401.666.200	107.401.666.200	107.401.666.200	107.401.666.200	107.401.666.200	107.401.666.200
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	04.07.2008	MPR002	Pratic	9710	107.401.666.200	107.401.666.200	107.401.666.200	107.401.666.200	107.401.666.200	107.401.666.200	107.401.666.200	107.401.666.200

B-B CHOCKING AND DRILLING PLAN FOR FOUNDATION BOLTS



Remarks:

*1) For the layout is taken into consideration:

- A max. permissible static load of 0.7 N/mm².
- Engine holding down studs fully tightened according to fitting instructions
- Engine mass (incl. net engine mass, vibration damper, flywheel, water and oil)

*2) The max. permissible mean surface pressure of the epoxy resin chocks is to be determined by the shipyard in accordance with the relevant classification society rules.

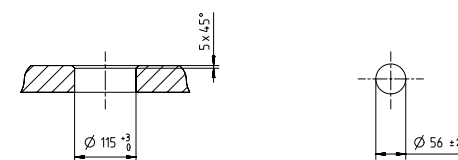
*3) Referring to a standardized chock thickness of 25 up to 60 mm.

Table 1: Dimensions of epoxy resin chocks *1)

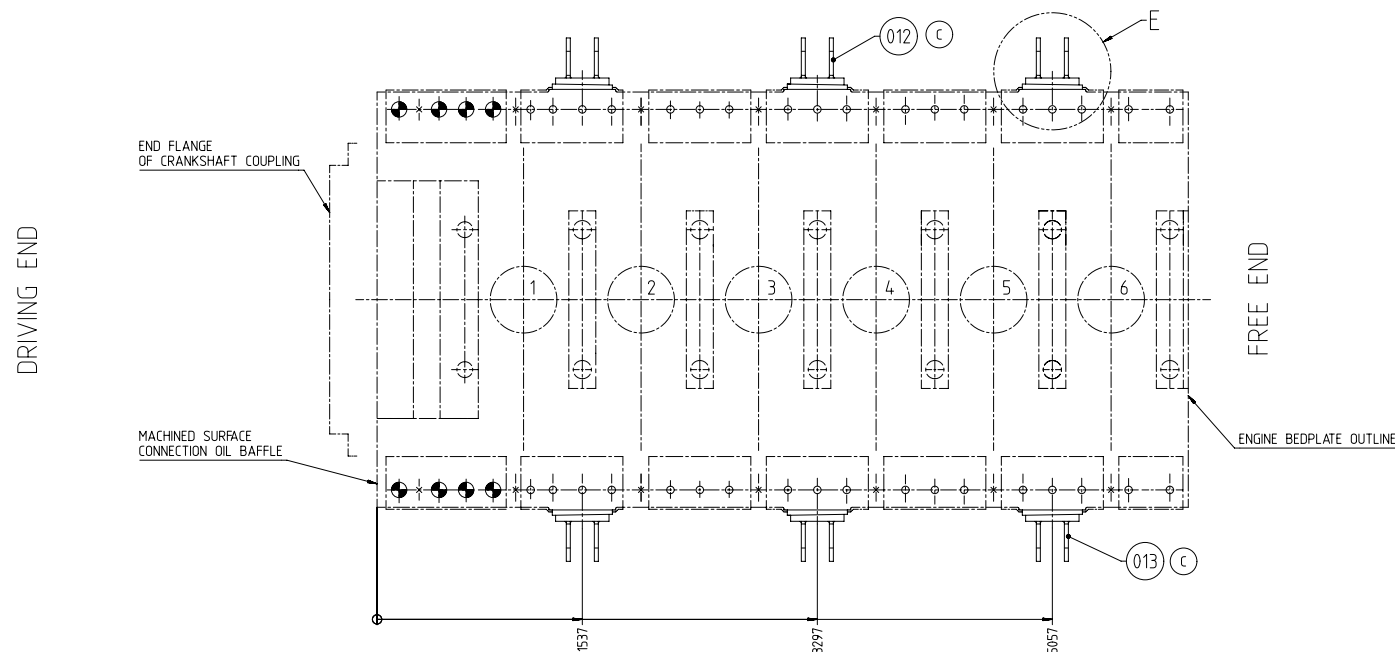
No. of Cyl.	Max. perm. mean surface pressure of chock *2)	Total chock length	Required chock depth		Total net chocking area	Required quantity of epoxy resin material *3)	
	(N/mm ²)	(mm)	(mm)		(cm ²)	min.	max.
						(dm ³)	
6	4.5	5200	D	400	39717	108	255

X-X (1:5)

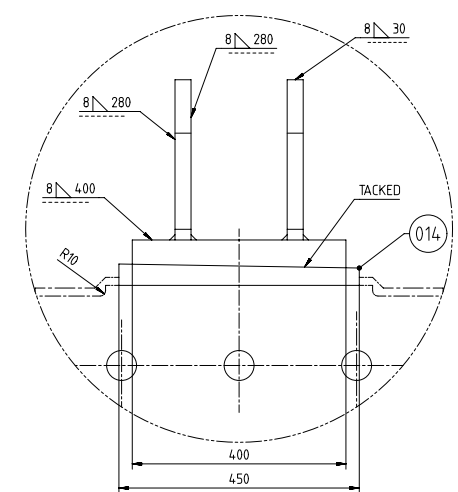
Y (1:5)



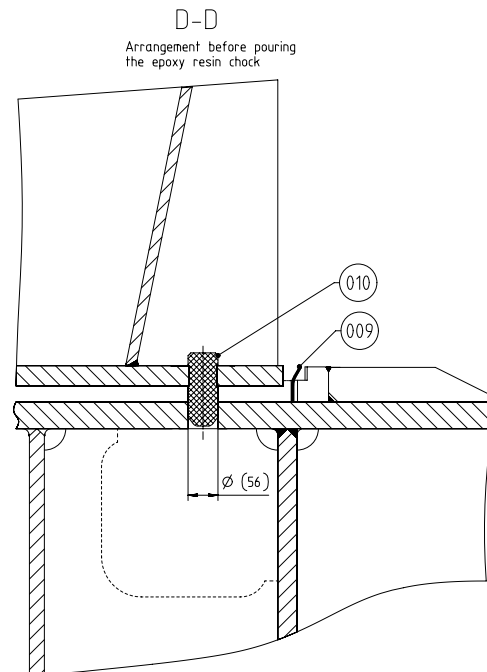
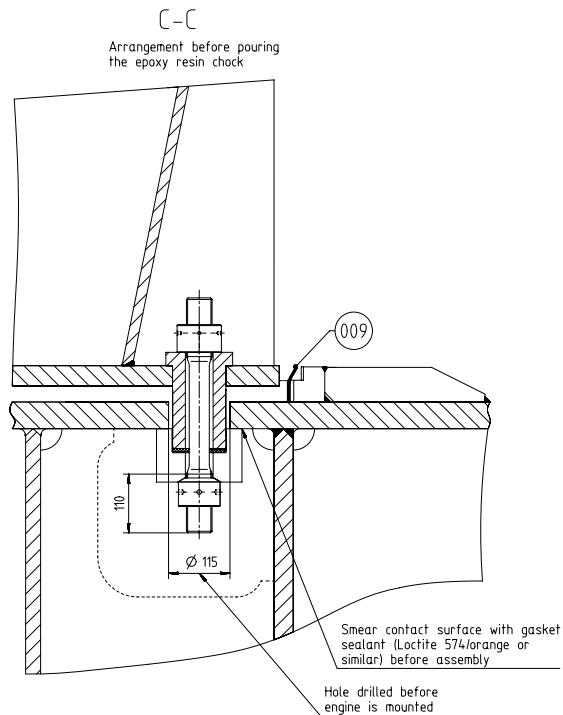
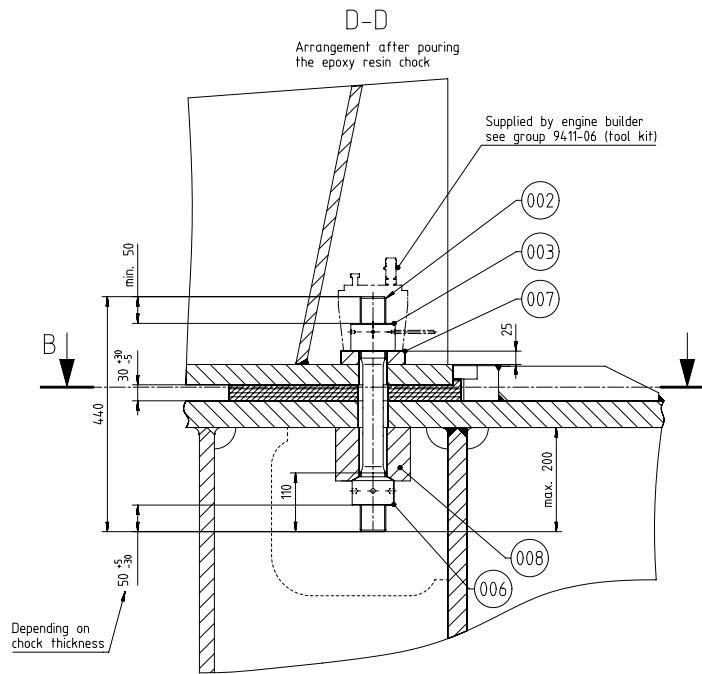
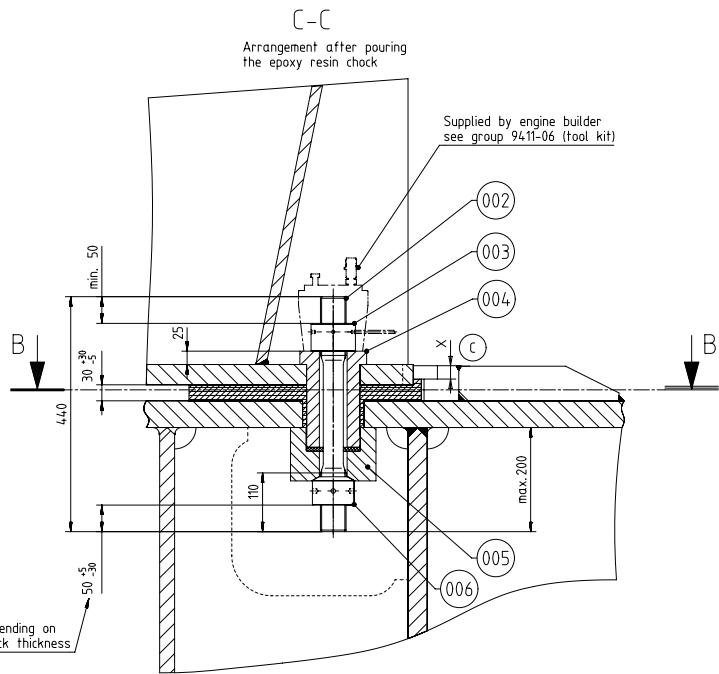
B-B ENGINE SIDE STOPPER ARRANGEMENT WITH WELDED TYPE



DETAIL E SCALE 1:5



Mod. 1		Mod. 2		Mod. 3		Mod. 4		Mod. 5		Mod. 6		Mod. 7		Mod. 8		Mod. 9		Mod. 10		Mod. 11		Mod. 12		Mod. 13		Mod. 14		Mod. 15		Mod. 16	
EAAD082071		30.06.2010		EAAD084882		06.11.2013		EAAD089996		18.02.2019																					
Number		Drawn date		Number		Drawn date		Number		Drawn date		Number		Drawn date		Number		Drawn date		Number		Drawn date		Number		Drawn date		Number		Drawn date	
Free space for file																															
G-Code		XXXXXX		Standard		ISO, JIS		Main Drw.		H																					
Product		6RT-flex50		6RT-flex50-B		6RT-flex50-D		6RT-flex50DF		ENGINE SEATING/FOUNDATION THRUST SLEEVES																					
Units		mm kg		NX		Basic Material		Scale		1:20		Size		A1		Page		2/3		Material		107.401.666		Rev.		C					
SURFACE PROTECTION		SEE GROUP 0344		Made		16.06.2010		jba029 Baumann		Design Group		9710																			
TOLERANCING PRINCIPLE		ISO8015		Appd		04.07.2008		MPR002 Pratic																							
GENERAL TOLERANCES		ACCORDING TO ISO2768-mS																													

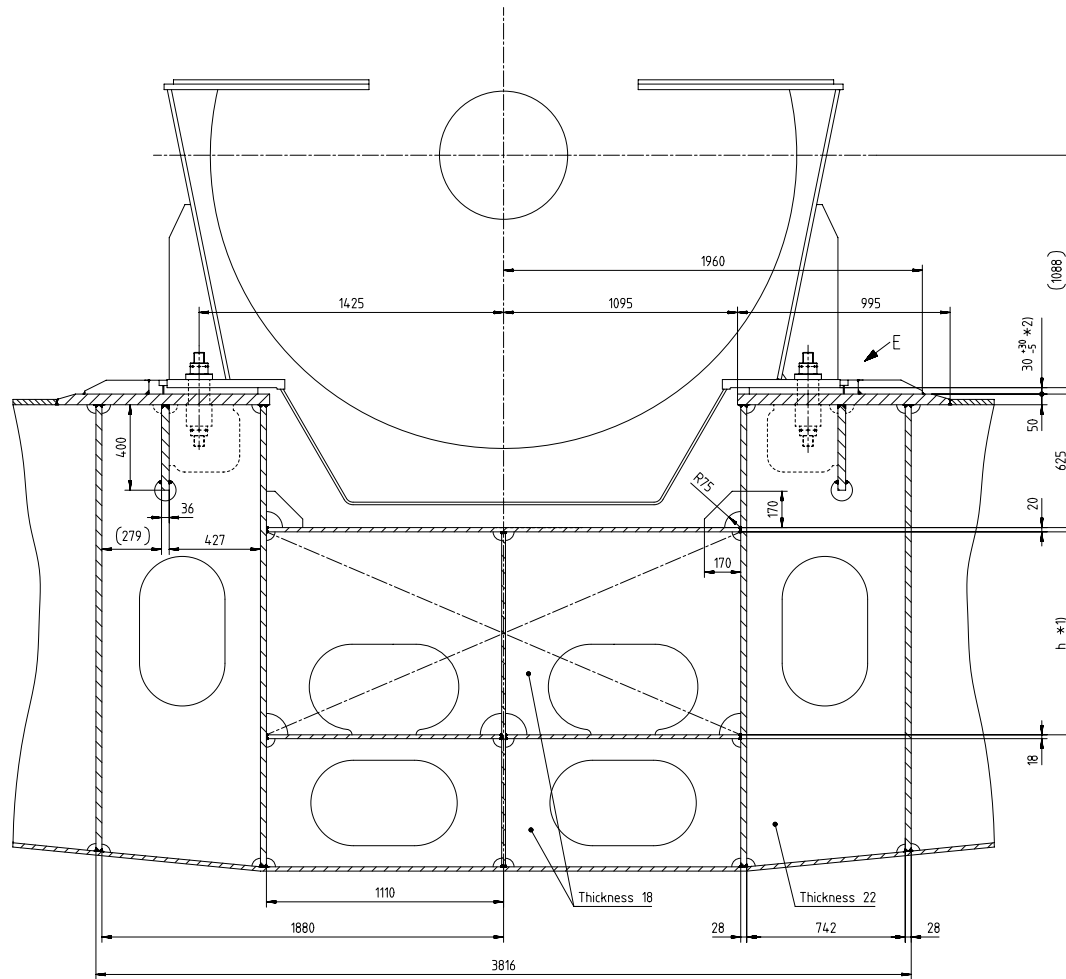
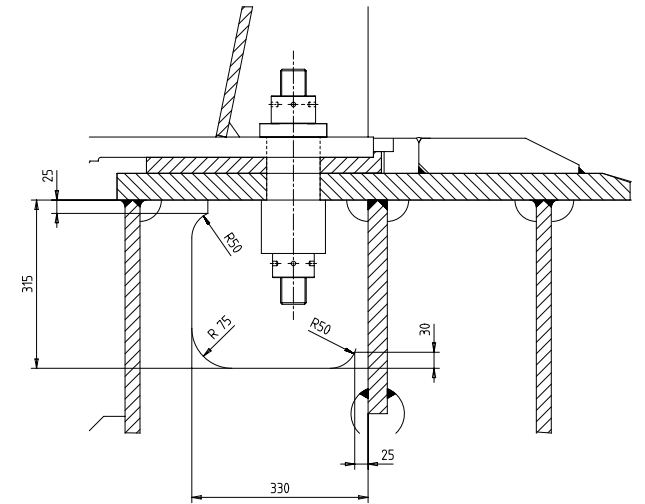


C CONTACT SURFACE BETWEEN WEDGE AND ENGINE BEDPLATE

RT-flex50/-B/-D/DF
X [mm] Min. 12

Modell		Free space for file		G-Code		Main Drw.	
A EAAD082071		B EAAD084882		C EAAD089996		H	
Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
30.06.2010	30.06.2010	06.11.2013	06.11.2013	18.02.2019	18.02.2019		
Product				ENGINE SEATING/FOUNDATION THRUST SLEEVES			
6RT-flex50							
6RT-flex50-B							
6RT-flex50-D							
6RT-flex50DF							
Units		mm kg		NX		Basic Material	
Made		16.06.2010		jba029 Baumann		Scale 1:5	
Chd		04.07.2008		MPR002 Prstec		Size A1	
Appd						Page 3/3	
TOLERANCING PRINCIPLE ISO8015		GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Design Group		Material ID	
				9710		107.401.666	
						Rev. C	

A-A (1:12.5)

(B) DETAIL E
SCALE 1:5

Remarks:

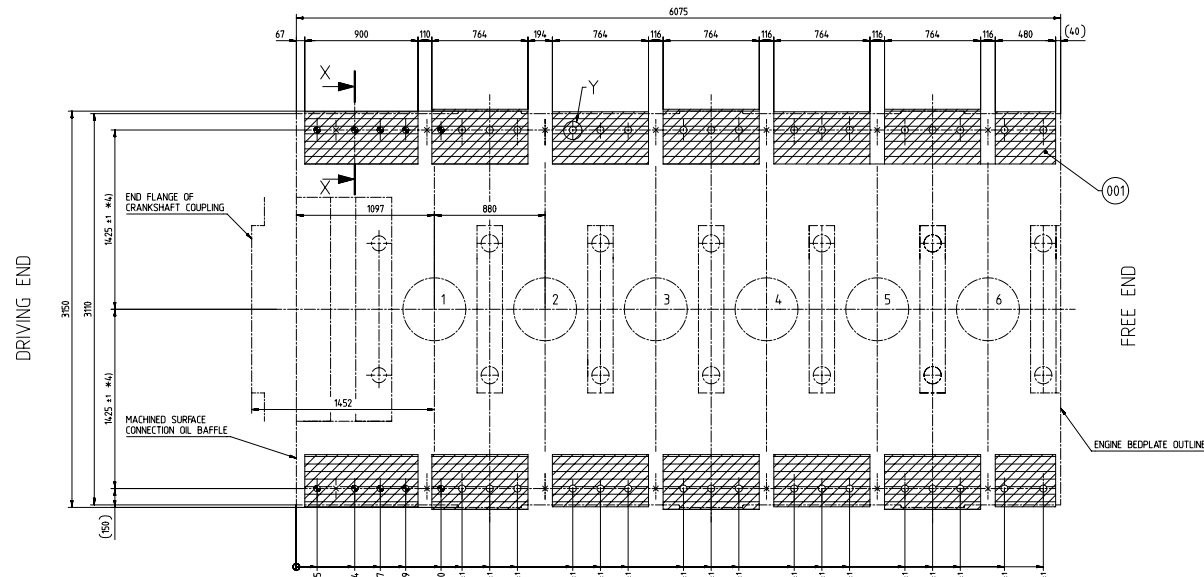
*1) Height to be determined by shipyard. For dimensions layout of lub. oil drain tank and drains refer to design group 9722.

*2) Chock thickness 30⁺³⁰₋₅
- Final chock thickness to be determined by shipyard.

Quantity	Unit	Material ID	Material Name	Standard or Drawing	Basic Material	Weight
916						
1	015	107.4.01.839.500	FITTING INSTRUCTIONS	107.4.01.839		0,001
6	014	107.325.275.001	WEDGE	107.325.275	W-FU-235-JR	3,8
3	013	PAAD319194	ENGINE SIDE STOPPER	DAAD112248		24,0
3	012	107.4.02.028.200	ENGINE SIDE STOPPER	107.4.02.028		24,0
34	010	107.4.01.837.001	PLUG	107.4.01.837	Rubber750	0,2
1	009	107.367.119.001	SEALING PIECE	107.367.119		0,001
4,4	008	107.24.6.051.001	SPHERICAL ROUND NUT	107.24.6.051	34CrMo4	1,2
4,4	007	107.4.01.838.001	BUSH	107.4.01.838	34CrMo4,SOM 435	7,8
4,4	006	107.34.3.352.001	SEATING WASHER	107.34.3.352	34CrMo4,SOM 435	1,8
4,4	005	107.34.5.876.008	ROUND NUT	107.34.5.876	42CrMo4,SOM 440	1,42
34	004	107.4.01.786.001	ELASTIC BOLT	107.4.01.786	34CrMo4,SOM 435	4,4
10	003	107.34.4.725.001	FITTED STUD	107.34.4.725	34CrMo4,SOM 435	5,54
1	001	107.398.394.500	EPOXY RESIN	107.398.394		0,001
PER ENGINE	Quantity	Material ID	Material Name	Standard or Drawing	Basic Material	Weight
	ISO 40			Dimension, Dia	Material	GRUNET
					Q-Code	Man. Drw.
					XXXXXX	H
					Standard	
					ISO, JIS	
107.426.721.200	Mod.	EAAD08482/06.11.2013	EAAD08996/18.02.2019			
	Number	Drawn date	Number	Drawn date	Number	Drawn date

WINGO
Wärthner Gas & DieselProduct
6RT-flex50
6RT-flex50-B
6RT-flex50-D
6RT-flex50DFENGINE SEATING/FOUNDATION
FITTED STUDSSURFACE PROTECTION SEE GROUP 0344
TOLERANCING PRINCIPLE ISO8015
GENERAL TOLERANCES ACCORDING TO ISO2768-mSUnits mm kg NX
Made 06.10.2009 J.Baumann
Chd
Appd 14.10.2009 J.BaumannScale 1:40
Size A1
Page 1/3
Material ID
Drawing ID
107.426.721
Rev. B

B-B CHOCKING AND DRILLING PLAN FOR FOUNDATION BOLTS

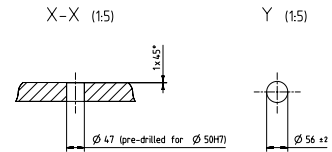


Remarks:

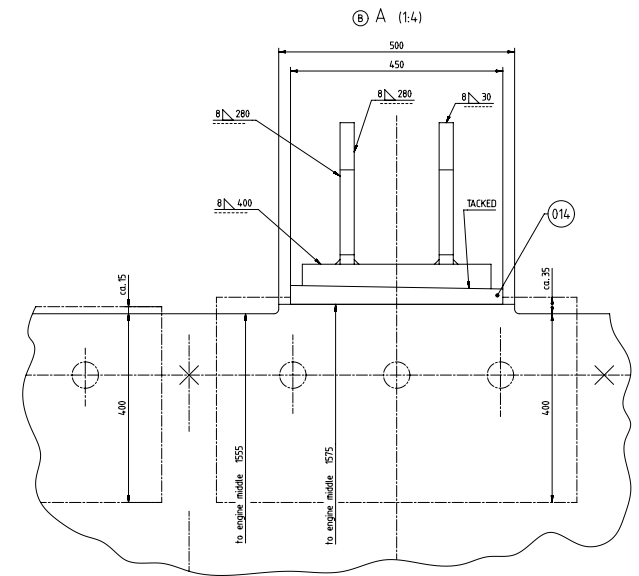
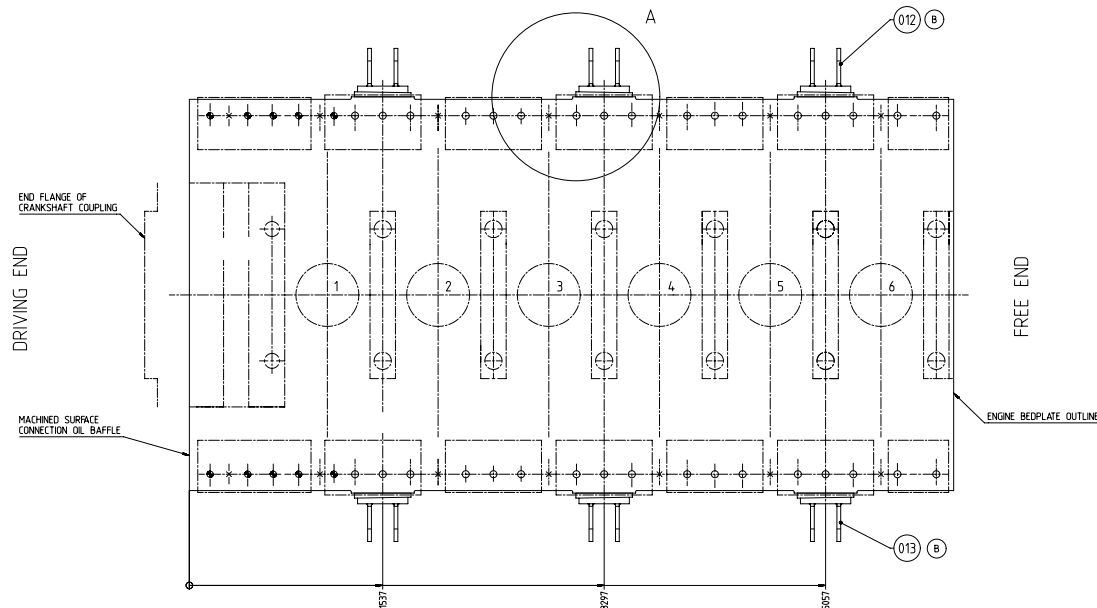
- *1) For the layout is taken into consideration:
 - A max. permissible static load of 0.7 N/mm²
 - Engine holding down studs fully tightened according to fitting instructions
 - Engine mass (incl. net engine mass, vibration damper, flywheel, water and oil)
- *2) The max. permissible mean surface pressure of the epoxy resin chocks is to be determined by the shipyard in accordance with the relevant classification society rules.
- *3) Referring to a standardized chock thickness of 25 up to 60 mm.
- *4) Tolerance does not apply for fitted studs.

Table 1: Dimensions of epoxy resin chocks *1)

No. of Cyl.	Max. perm. mean surface pressure of chock *2)	Total chock length	Total net chocking area	Required quantity of epoxy resin material *3)	
	(N/mm ²)	(mm)	(cm ²)	min.	max.
6	4.5	5200	40505	103	245
No. of Cyl.	Total No. of holes				
	No. of fitted studs				
6	44	10			



B-B ENGINE SIDE STOPPER ARRANGEMENT WITH WELDED TYPE

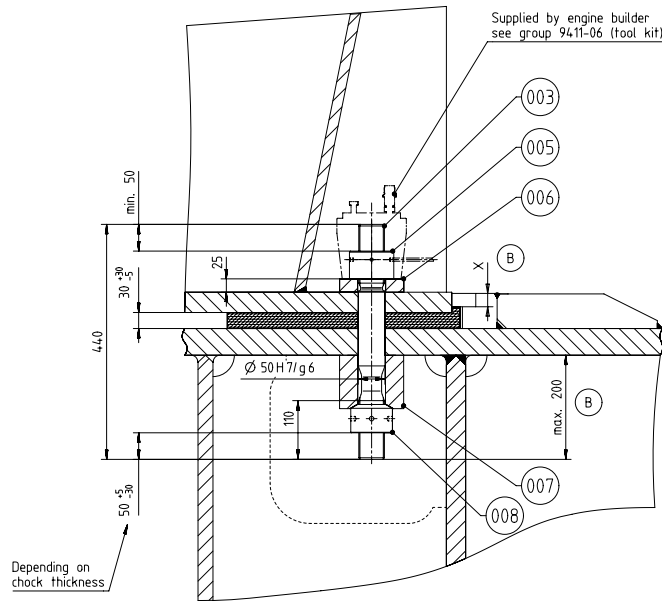


WIND WINDING WINDING		Date: 06.10.2019 Drawn: J. Baurmann Checked: J. Baurmann Design: J. Baurmann Scale: 1:5 Sheet: 1/3 Title: ENGINE SEATING FOUNDATION FITTED STUDS	No. 107426721 Rev. 01
SURNAME PROTECTION GROUP DATA TOLERANCE PRINCIPLE: ISO 2768-MS GENERAL TOLERANCES: ACCORDING TO ISO 2768-MS		Material: 1.4571 Heat treatment: 107426721	

C-C

Arrangement after pouring
the epoxy resin chock

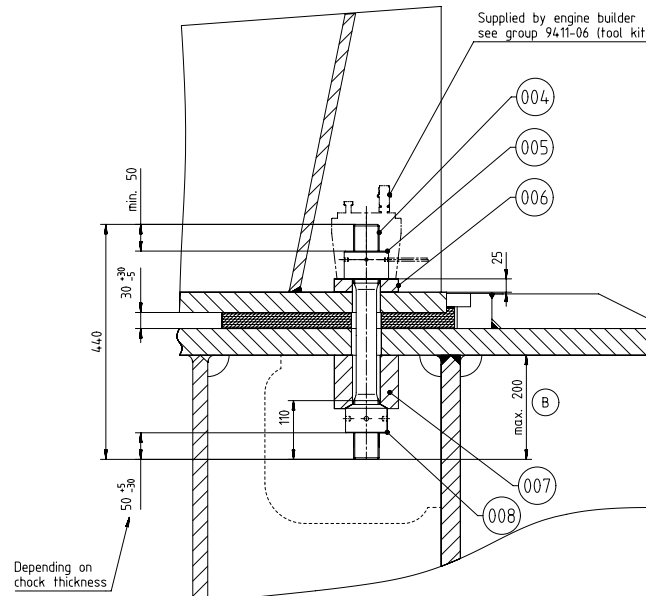
Supplied by engine builder
see group 9411-06 (tool kit)



D-D

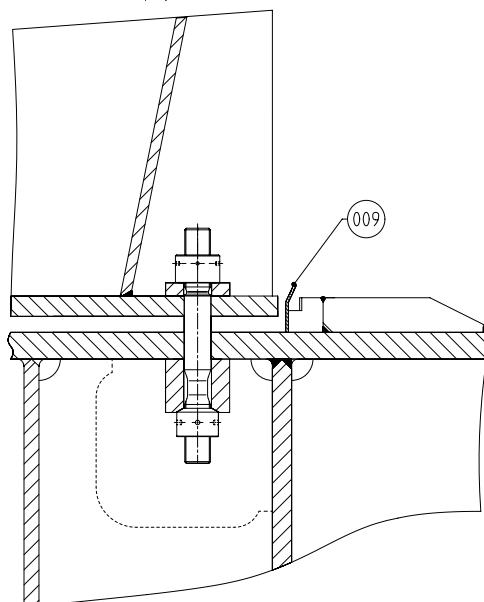
Arrangement after pouring
the epoxy resin chock

Supplied by engine builder
see group 9411-06 (tool kit)



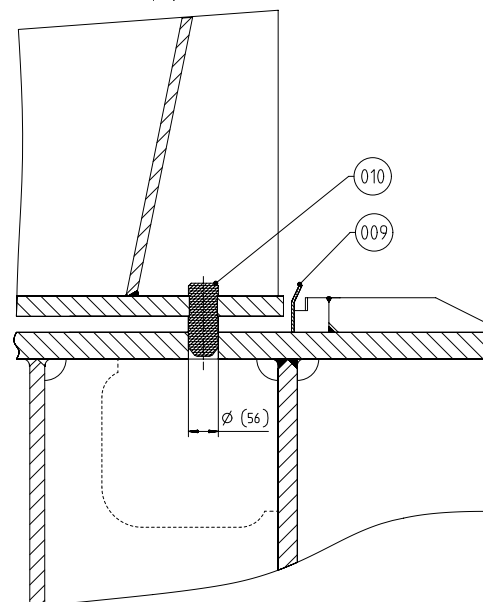
C-C

Arrangement before pouring
the epoxy resin chock



D-D

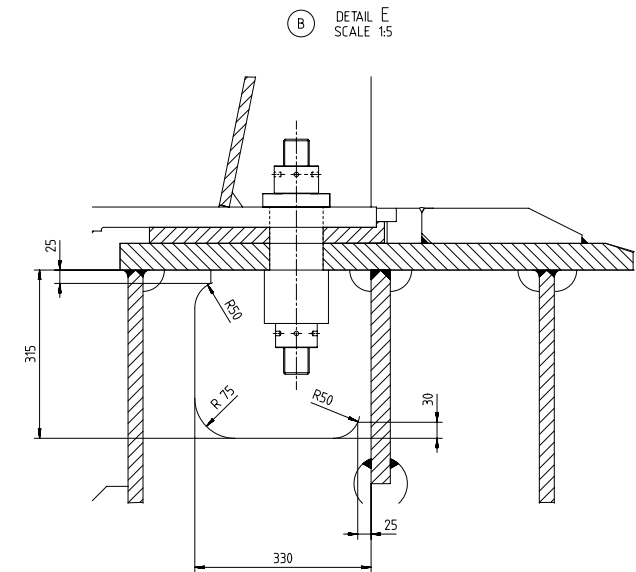
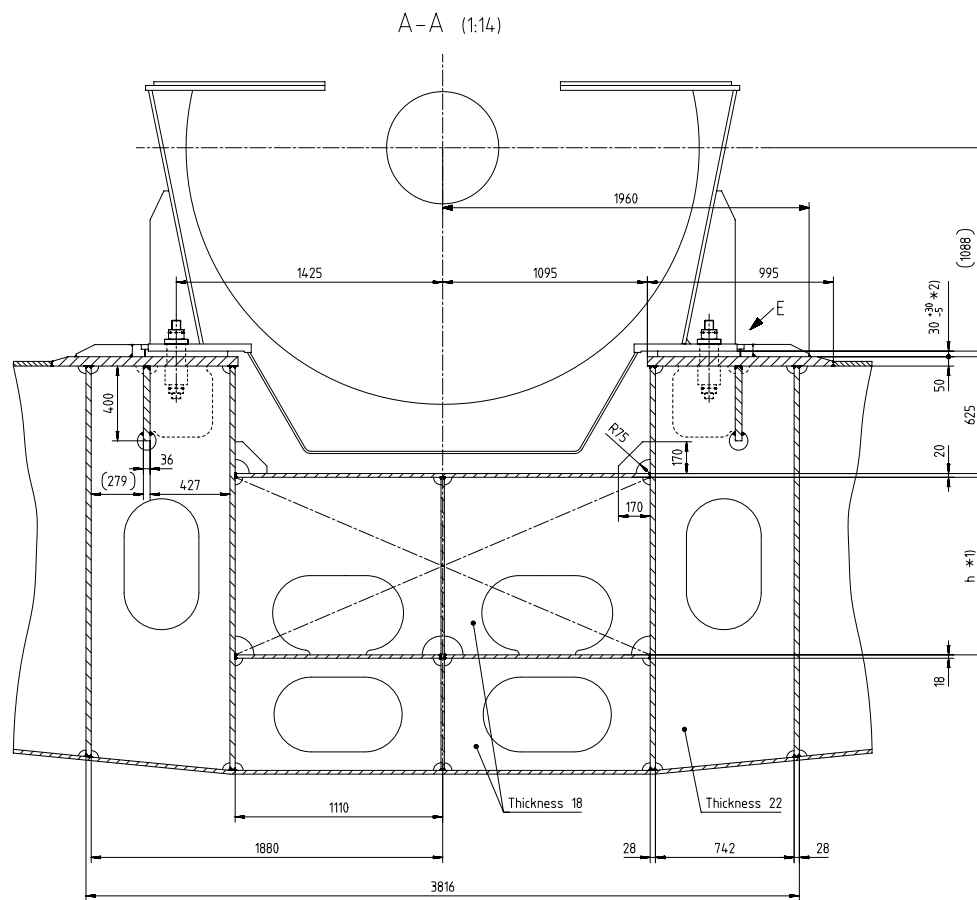
Arrangement before pouring
the epoxy resin chock



(B) CONTACT SURFACE BETWEEN WEDGE AND ENGINE BEDPLATE

RT-flex50/-B/-D/DF
X [mm] Min. 12

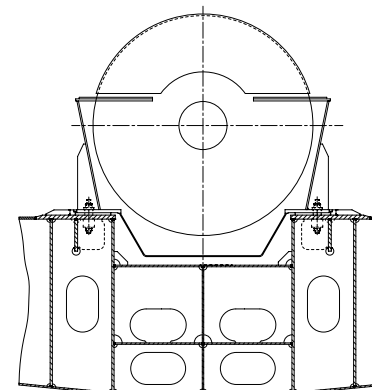
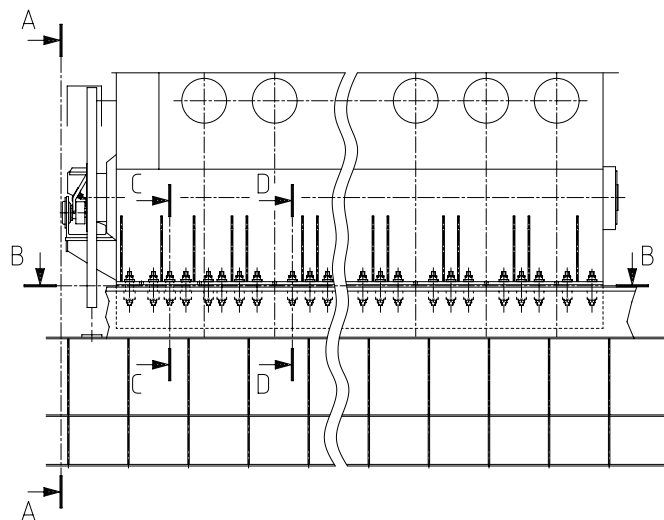
Modell	Free space for file	Q-Code	XXXXXX	Main Drw.	H
EAAD08482/06.11.2013	EAAD089996/18.02.2019	Standard	ISO, JIS		
Number	Drawn date	Number	Drawn date	Number	Drawn date
Product	6RT-flex50	ENGINE SEATING/FOUNDATION	FITTED STUDS		
	6RT-flex50-B				
	6RT-flex50-D				
	6RT-flex50DF				
Units	mm kg NX	Basic Material		Net Weight	
Made	06.10.2009 J.Baumann	Scale	1:5	Size	A1
Chd		Design Group	9710	Page	3/3
Appd	14.10.2009 JBA/029 Baumann	Drawing	B	Material ID	107.426.721
SURFACE PROTECTION SEE GROUP 0344		TOLERANCING PRINCIPLE ISO8015		Rev. B	
GENERAL TOLERANCES ACCORDING TO ISO2768-mK					



Remarks:

*1) Height to be determined by shipyard. For dimensions layout of lub. oil drain tank and drains refer to design group 9722.

*2) Chock thickness 30^{+30}_{-5}
- Final chock thickness to be determined by shipyard.



Serial No.		Part No.		Description		Drawing No.		Material		Weight	
*) Chock thickness 30⁺³⁰₋₅ - Final chock thickness to be determined by shipyard.											
1	015	107.401839.500	FITTING INSTRUCTIONS	107.401839							0,001
8	014	107.325.275.001	WEDGE	107.325.275	W-FU-235-JR						3,8
4	013	FAAD31919.4	ENGINE SIDE STOPPER	DAAD1224.8							24,0
4	012	107.402.028.200	ENGINE SIDE STOPPER	107.402.028							24,0
42	011	107.401837.001	PLUG	107.401837	Rubber750						0,2
8	010	107.401836.001	JOINT DISC	107.401836	Rubber750						0,05
1	009	107.367.119.001	SEALING PIECE	107.367.119							0,001
42	008	107.401838.001	BUSH	107.401838	34CrMnSCM 435						7,8
42	007	107.34.3.352.001	SEATING WASHER	107.34.3.352	34CrMnSCM 435						1,8
50	006	107.24.6.051.001	SPHERICAL ROUND NUT	107.24.6.051	34CrMnSCM 435						1,2
8	005	107.401787.001	BUSH	107.401787	34CrMnSCM 435						10,1
8	004	107.401785.001	SLEEVE	107.401785	34CrMnSCM 435						8,3
50	003	107.34.5.876.008	ROUND NUT	M48 107.34.5.876	42CrMoSCM 440						1,42
5	002	107.401786.001	ELASTIC BOLT	107.401786	34CrMnSCM 435						4,4
1	001	107.398.394.500	EPOXY RESIN	107.398.394							0,001
QUALITY ENGINE SERIAL NO. Material ID Material Name Dimension, Dct Shrouded or Drawing Basic Material Material Standard Weight G/KG NET Main Drv. 107.401.667.200 H Model A EAAD082071 30.06.2010 B EAAD089996 18.02.2019 Number Drawing date Number Drawing date Number Drawing date Product 7RT-flexx50 7RT-flexx50-B 7RT-flexx50-D 7RT-flexx50DF ENGINE SEATING/FOUNDATION THRUST SLEEVES Units mm kg NX Scale 1:30 Size A1 Page 1/3 Material ID Net Weight Made 16.06.2010 jba029 Baumann Design Group 9710 107.401.667 Rev. B Drawing ID TO 620786-wk April 04.07.2008 MPR002 Prelec or modification. Subsequent changes to any other drawings are agreed in writing and are made accessible to third parties without the previous written consent of Wabtec AG & Diesel Ltd.											

B-B CHOCKING AND DRILLING PLAN FOR FOUNDATION BOLTS

Remarks:

- *1) For the layout is taken into consideration:
 - A max. permissible static load of 0.7 N/mm².
 - Engine holding down studs fully tightened according to fitting instructions
 - Engine mass (incl. net engine mass, vibration damper, flywheel, water and oil)
- *2) The max. permissible mean surface pressure of the epoxy resin chocks is to be determined by the shipyard in accordance with the relevant classification society rules.
- *3) Referring to a standardized chock thickness of 25 up to 60 mm.

No. of Cyl.	Max. perm. mean surface pressure of chock *2)	Total chock length	Required chock depth	Total net chocking area	Required quantity of epoxy resin material *3)	
	(N/mm ²)	(mm)	(mm)	(cm ²)	min.	max.
					(dm ³)	
7	4.5	5964	D / 400	45641	124	294

X-X (1:5)

Y (1:5)

B A (1:7.5)

B-B ENGINE SIDE STOPPER ARRANGEMENT WITH WELDED TYPE

WINGD
Windeur Gas & Diesel Ltd.

ENGINE SEATING/FOUNDATION THRUST SLEEVES

Units: mm kg NX
Scale: 1:20
Size: A1
Page: 2/3
Material ID: 107.401.667
Rev: B

SURFACE PROTECTION SEE GROUP 0344
TOLERANCING PRINCIPLE ISO8015
GENERAL TOLERANCES ACCORDING TO ISO2768-mS

Made: 16.06.2010 jba029 Baumann
Chd:
Appd: 04.07.2008 MPR002 Protelc

Product: 7RT-flex50
7RT-flex50-B
7RT-flex50-D
7RT-flex50DF

Q-Code: XXXXX
Standard: ISO/JIS

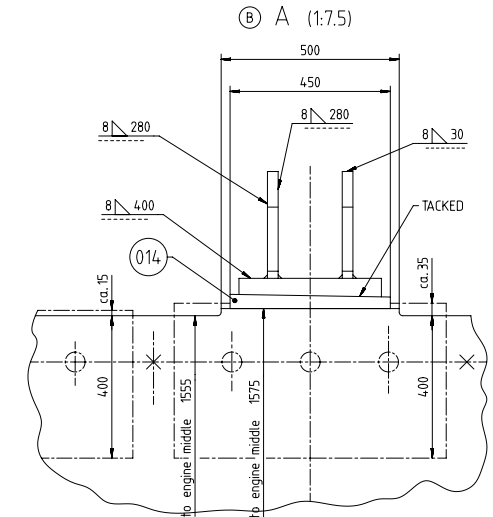
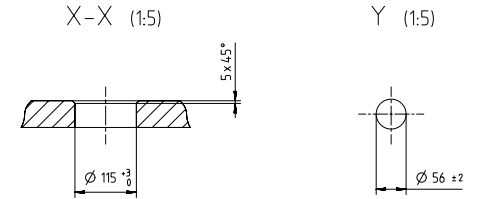
Main Drw.: H

Modif.: Free space for file

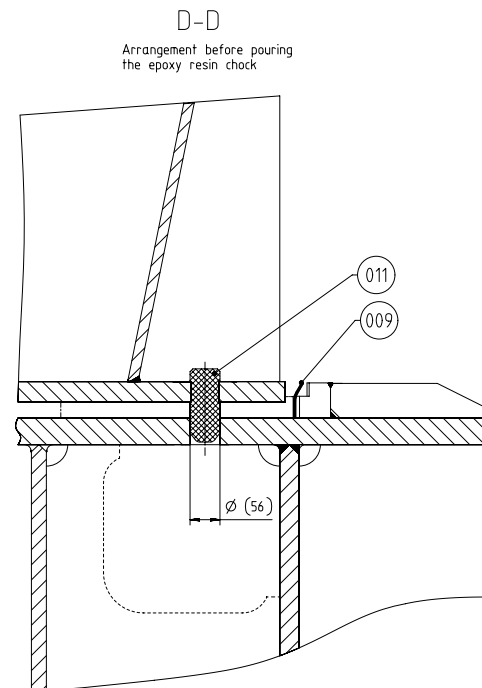
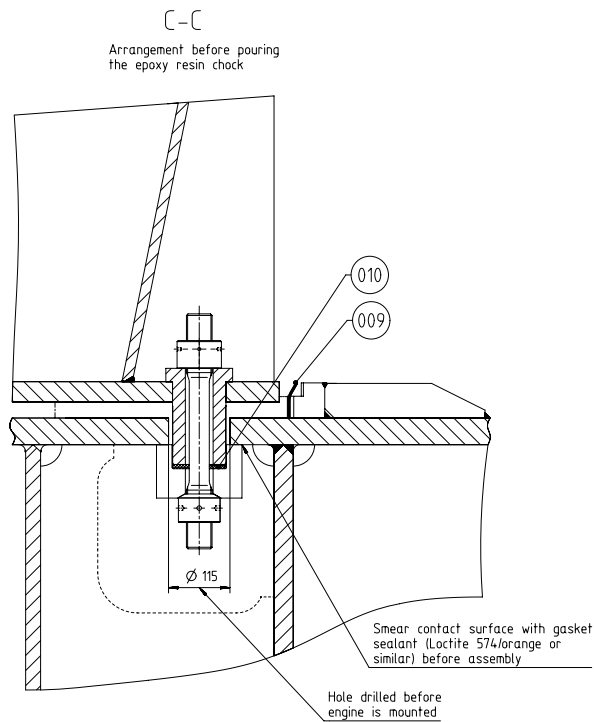
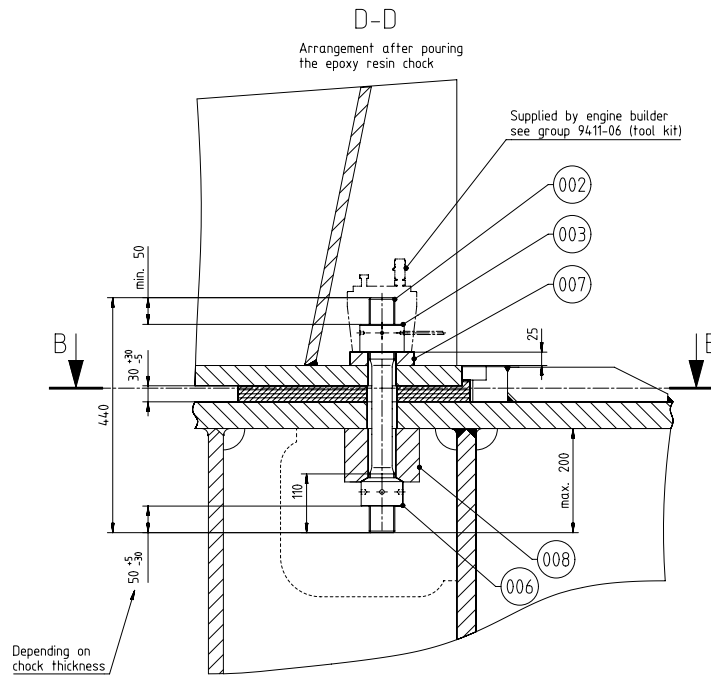
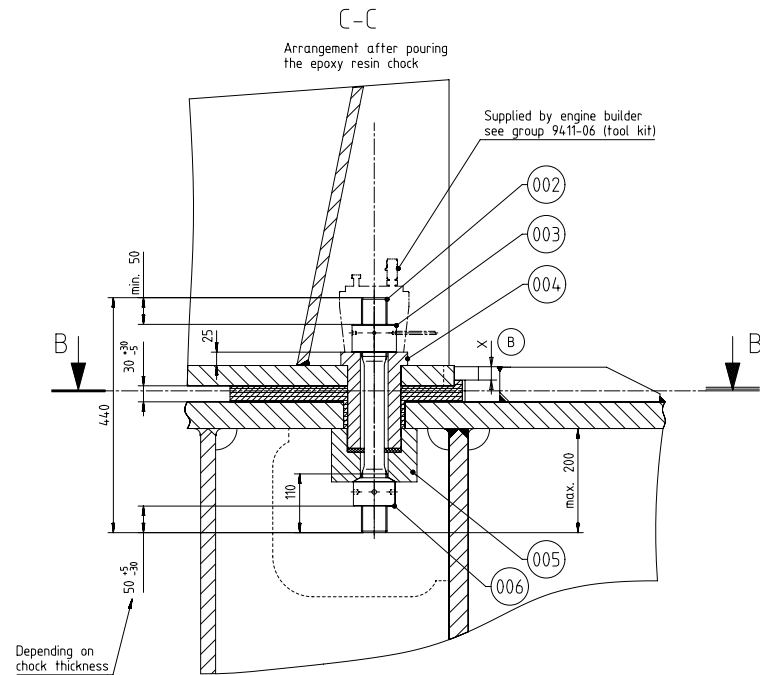
Model: EAAD082071 30.06.2010 Number: B EAAD089996 18.02.2019 Number: Drawing Group: 9710

Net Weight:

No. of Cyl.	Max. perm. mean surface pressure of chock *2)	Total chock length	Required chock depth		Total net chocking area	Required quantity of epoxy resin material *3)	
						min.	max.
						(dm ³)	
7	4.5	5964	D	400	45641	124	294



Free space for file	G-Code		XXXXXX		Main Drw.						
	Standard		ISO; JIS								
Head	A	EAAD082071	10.06.2010	B	EAAD089994	18.02.2019					
		Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
 WING <i>Weather-Resistant Steel & Galvalume</i>		Product		ENGINE SEATING/FOUNDATION THRUST SLEEVES							
		7RT-flex50									
		7RT-flex50-B									
		7RT-flex50-D									
7RT-flex50DF											
Units		mm kg	NX			Basic Material				Net Weight	
Made	16.06.2010		jba209 Baumann		Scale 1:20		Size	A1	Page 2/3	Material	
Order	04.07.2008		MPR002 Protec		Design Group		9710	Drawing	107.401.667		Rev.
Chk											B



(B) CONTACT SURFACE BETWEEN WEDGE AND ENGINE BEDPLATE

RT-flex50/-B/-D/DF
X [mm] Min. 12

Modell		Free space for file		Q-Code		Main Drw.	
EAAD082071		30.06.2010		EAAD089996		18.02.2019	
Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
Product				ENGINE SEATING/FOUNDATION THRUST SLEEVES			
7RT-flex50				7RT-flex50-B			
7RT-flex50-D				7RT-flex50DF			
WINGD				Wärthner Gas & Diesel Ltd			
Units	mm kg	NX	Basic Material	Scale	1:5	Size	A1
Made	16.06.2010	by	ba029 Baumann	Design Group	9710	Material	3/3
Chkd	04.07.2008	Appd	MFR002 Prstec	Drawing	107.401.667	Rev.	B
SURFACE PROTECTION SEE GROUP 0344				TOLERANCING PRINCIPLE ISO8015			
GENERAL TOLERANCES ACCORDING TO ISO2768-mK				DIMENSIONAL DRAWING - Confidential			

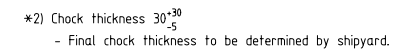
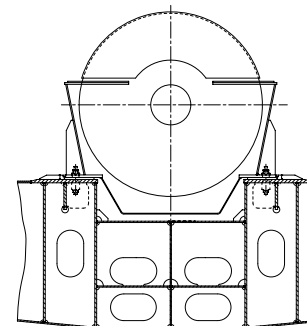
Technical drawing of a mechanical component, likely a pressure vessel or boiler, showing a cross-section and a top view. The drawing includes dimensions in millimeters (mm) and inches (in).

Dimensions (mm):

- Overall width: 3816
- Overall height: 1088
- Top horizontal distance: 1425, 1095, 995
- Top horizontal distance (total): 1960
- Left vertical distance: 400, 36, (279), 427
- Right vertical distance: 50, 475, 20, 18
- Bottom horizontal distance: 1880, 1110, 28, 742, 28
- Internal horizontal distance: 170, 170
- Internal vertical distance: 170
- Internal radius: R75
- Thickness 18
- Thickness 22

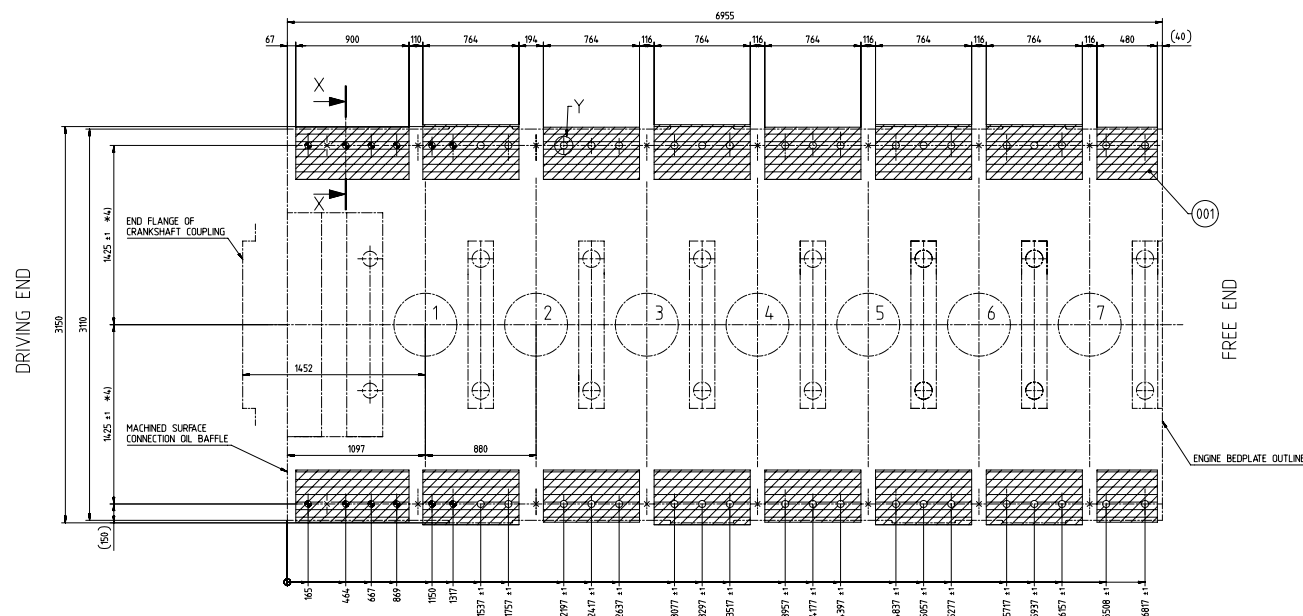
Notes:

- 30 ± 0.5 *2



SURFACE PROTECTION SEE GROUP 0344	Made	06.10.2009	J.Baumann	Scale	1:40	Size	A1	Page	1/3	Material		Rev.	
TOLERANCING PRINCIPLE ISO8015	Chkd			Design Group		Drawing							
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	14.10.2009	JBA029 Baumann		9710					107.426.722			A

B-B CHOCKING AND DRILLING PLAN FOR FOUNDATION BOLTS



Remarks:

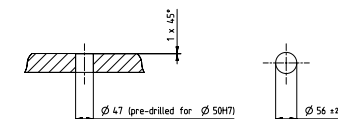
- *1) For the layout is taken into consideration:
 - A max. permissible static load of 0.7 N/mm²
 - Engine holding down studs fully tightened according to fitting instructions
 - Engine mass (incl. net engine mass, vibration damper, flywheel, water and oil)
- *2) The max. permissible mean surface pressure of the epoxy resin chocks is to be determined by the shipyard in accordance with the relevant classification society rules.
- *3) Referring to a standardized chock thickness of 25 up to 60 mm.
- *4) Tolerance does not apply for fitted studs.

Table 1: Dimensions of epoxy resin chocks *1)

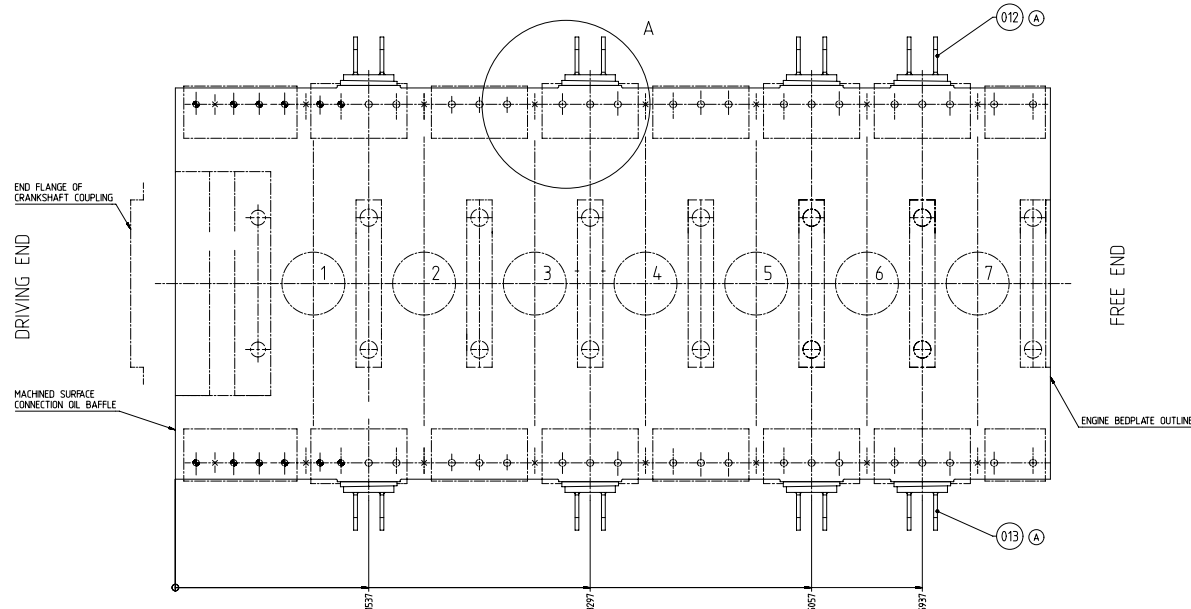
No. of Cyl.	Max. perm. mean surface pressure of chock *2)	Total chock length	Total net chocking area	Required quantity of epoxy resin material *3)	
	(N/mm ²)	(mm)	(cm ²)	min.	max.
7	4.5	5964	46472	118	281
No. of Cyl.	Total No. of holes	No. of fitted studs			
7	50	12			

X-X (1:5)

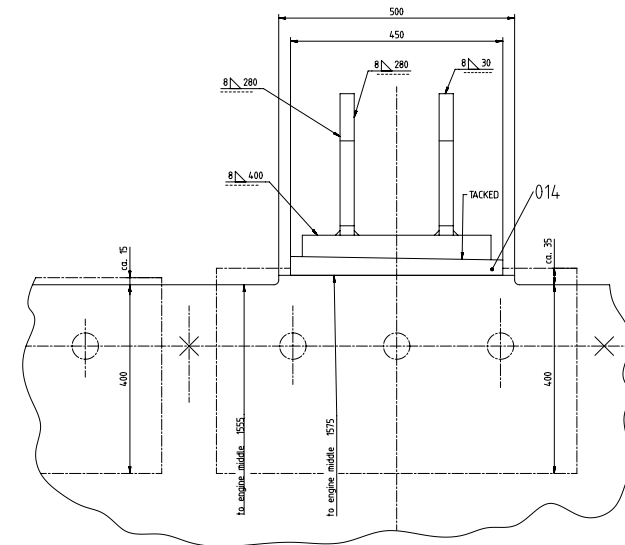
Y (1:5)



B-B ENGINE SIDE STOPPER ARRANGEMENT WITH WELDED TYPE



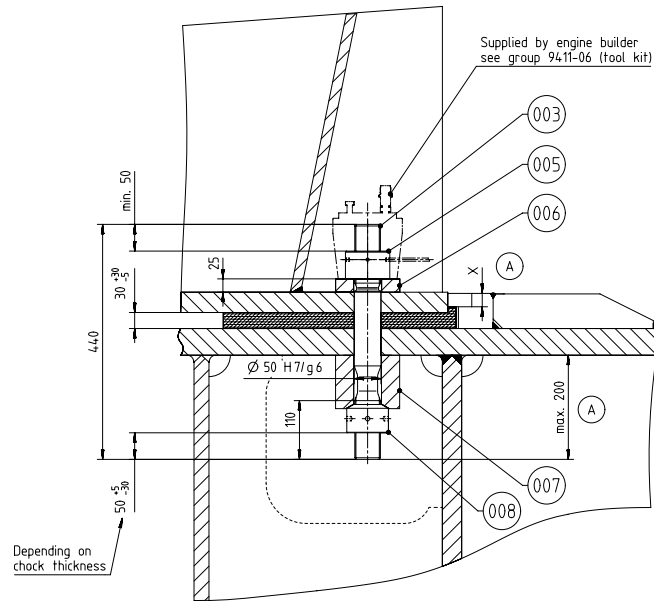
A A (1:4)



Date: 06.10.2019 Drawn: J. Baumgart Checked: J. Baumgart Design: J. Baumgart Scale: 1:5 Sheet: 1/3 Material: 70170 Weight: 107.426.722		Part: 012 Name: ENGINE SIDE STOPPER Material: 70170 Weight: 107.426.722	Part: 014 Name: ENGINE SEATING FOUNDATION FITTED STUDS Material: 70170 Weight: 107.426.722
---	--	--	---

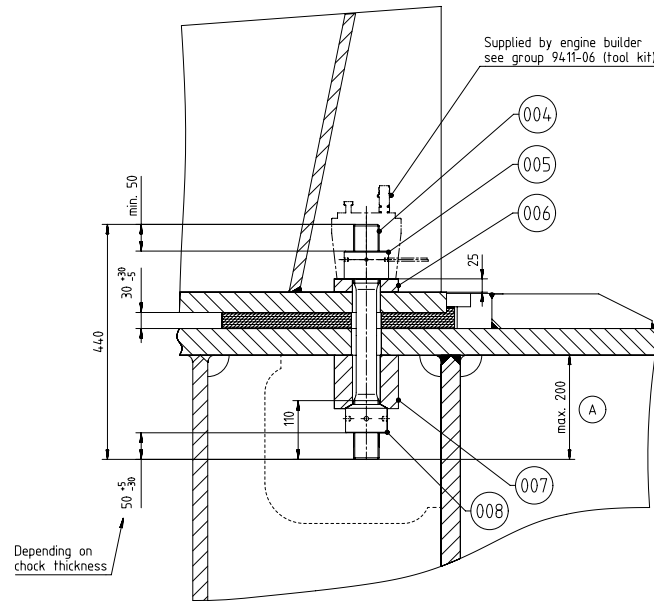
C-C

Arrangement after pouring
the epoxy resin chock



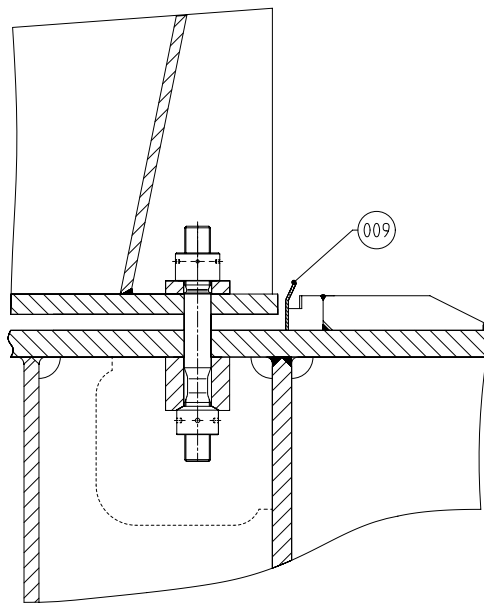
D-D

Arrangement after pouring
the epoxy resin chock



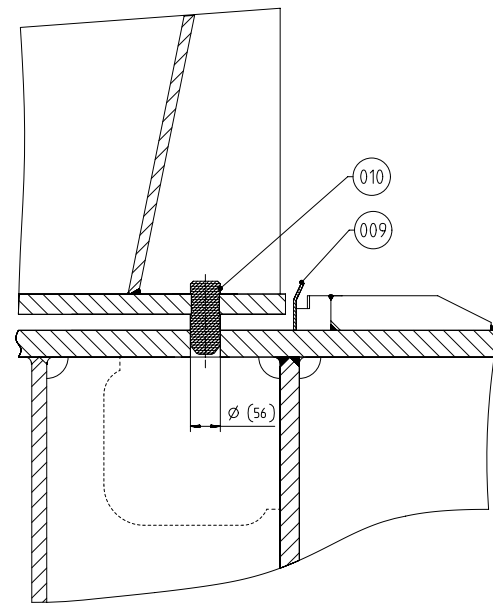
C-C

Arrangement before pouring
the epoxy resin chock



D-D

Arrangement before pouring
the epoxy resin chock



A CONTACT SURFACE BETWEEN WEDGE AND ENGINE BEDPLATE

	RT-flex50/-B/-D/DF
X [mm]	Min. 12

Mod.	Free space for file	Q-Code	XXXXXX	Main Drw.	H	
Number	Drawn date	Number	Drawn date	Number	Drawn date	
EAAD08996	18.02.2019					
Product		ENGINE SEATING/FOUNDATION FITTED STUDS				
7RT-flex50						
7RT-flex50-B						
7RT-flex50-D						
7RT-flex50DF						
Units	mm kg	NX	Basic Material	Scale	1:5	
Made	06.10.2009	J.Baumann	Scale	1:5	Size	A1
Chd	14.10.2009	JBA/20 Baumann	Design Group	9710	Page	3/3
Appd	14.10.2009	JBA/20 Baumann	Design Group	9710	Material	A1
SURFACE PROTECTION SEE GROUP 0344		TOLERANCING PRINCIPLE ISO8015		GENERAL TOLERANCES ACCORDING TO ISO2768-mK		
Drawing		107.426.722		Rev.		A

B-B CHOCKING AND DRILLING PLAN FOR FOUNDATION BOLTS

DRIVING END

FREE END

END FLANGE OF CRANKSHAFT COUPLING

MACHINED SURFACE CONNECTION OIL BAFFLE

ENGINE BEDPLATE OUTLINE

Remarks:

- *1) For the layout is taken into consideration:
 - A max. permissible static load of 0.7 N/mm²
 - Engine holding down studs fully tightened according to fitting instructions
 - Engine mass (incl. net engine mass, vibration damper, flywheel, water and oil)
- *2) The max. permissible mean surface pressure of the epoxy resin chocks is to be determined by the shipyard in accordance with the relevant classification society rules.
- *3) Referring to a standardized chock thickness of 25 up to 60 mm.

Table 1: Dimensions of epoxy resin chocks *1)

No. of Cyl.	Max. perm. mean surface pressure of chock *2)	Total chock length	Required chock depth		Total net chocking area	Required quantity of epoxy resin material *3)	
			(mm)	(mm)		(cm ²)	min.
8	4.5	6728	D	400	51624	140	331

X-X (1:5)

Y (1:5)

B A (1:4)

B-B ENGINE SIDE STOPPER ARRANGEMENT WITH WELDED TYPE

DRIVING END

FREE END

END FLANGE OF CRANKSHAFT COUPLING

MACHINED SURFACE CONNECTION OIL BAFFLE

ENGINE BEDPLATE OUTLINE

WINGD

ENGINE SEATING/FOUNDATION THRUST SLEEVES

Units: mm kg NX

Scale: 1:20

Size: A1

Page: 2/3

Material: 9710

Net Weight:

Surface Protection: SEE GROUP 0344

Tolerancing Principle: ISO 8015

General Tolerances: ACCORDING TO ISO 2768-MK

Modell: EAAD082071

Drawn date: 30.06.2010

Number: 16.06.2010

Design Group: 04.07.2008

MPR002

Product: 8RT-flex50

8RT-flex50-B

8RT-flex50-D

8RT-flex50DF

Rev. B

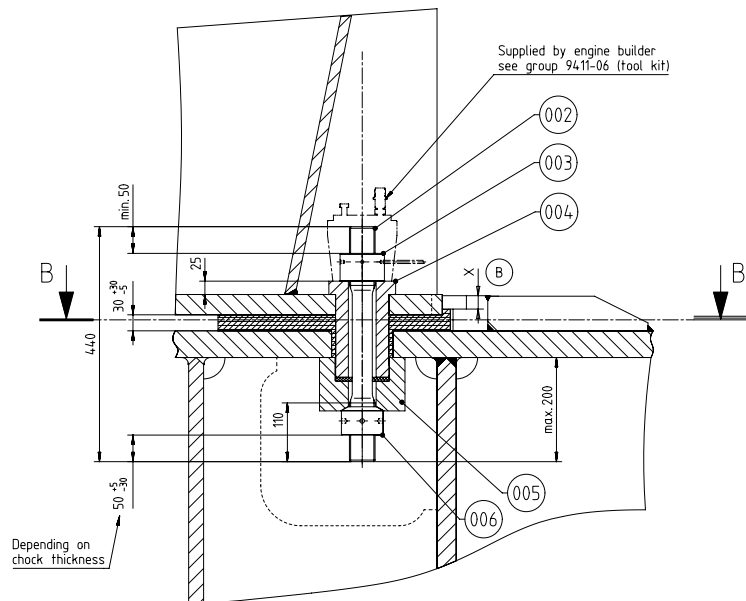
No. of Cyl.	Max. perm. mean surface pressure of chock *2)	Total chock length	Required chock depth		Total net chocking area	Required quantity of epoxy resin material *3)	
						min.	max.
	(N/mm ²)	(mm)	(mm)		(cm ²)	(dm ³)	
8	4.5	6728	D	400	51624	140	331

Technical drawing of a mechanical part, likely a bracket or support, showing dimensions and assembly details. The drawing includes the following features:

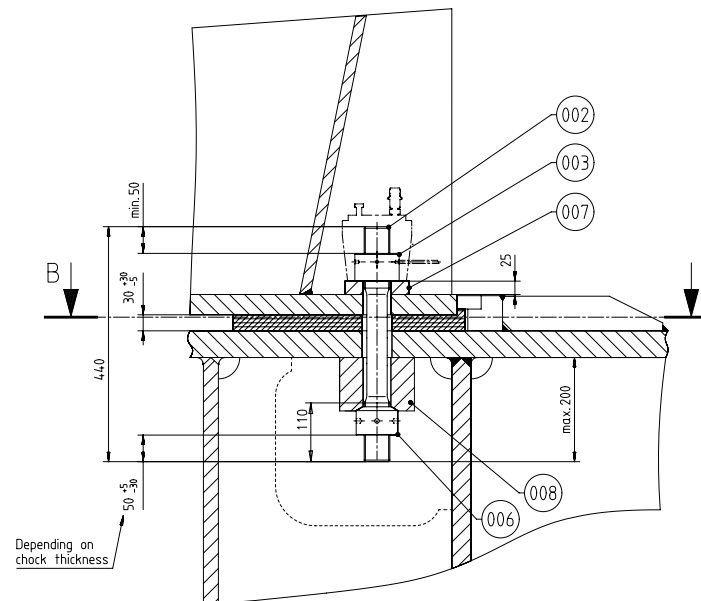
- Overall Dimensions:**
 - Top width: 500
 - Top flange width: 450
 - Left side height: 400
 - Right side height: 400
- Assembly Details:**
 - Top flange: 8 ∇ 280
 - Vertical support: 8 ∇ 280
 - Right side flange: 8 ∇ 30
 - Bottom flange: 8 ∇ 280
 - Bottom flange thickness: ca. 15
 - Right side flange thickness: ca. 35
 - Assembly note: TACKED
- Internal Features:**
 - Central hole: 014
 - Internal hole: 1555
 - Internal hole: 1575
- Orientation:**
 - to engine middle
 - to engine middle

Free space for lot	Q-Code					XXXXXX		Main Dwg.	
	Standard					ISO; JIS			
Mod.	A	EAD082071	B	EAD089996	18.02.2019			H	
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	
 WING <i>Wunderlich Gus & Guss</i>			Product 8RT-flex50 8RT-flex50-B 8RT-flex50-D 8RT-flex50DF		ENGINE SEATING/FOUNDATION THRUST SLEEVES				
Units	mm kg	NX	 Basic Material		Net Weight				
Make	16.06.2010	jbo29	Baumann	Scale	1:20	Size	A1	Page 2/3	Material
Chkd				Design Group	9710	Drwg	107.401.668		Rev.
App	04.07.2008		MPR002 Protec						B

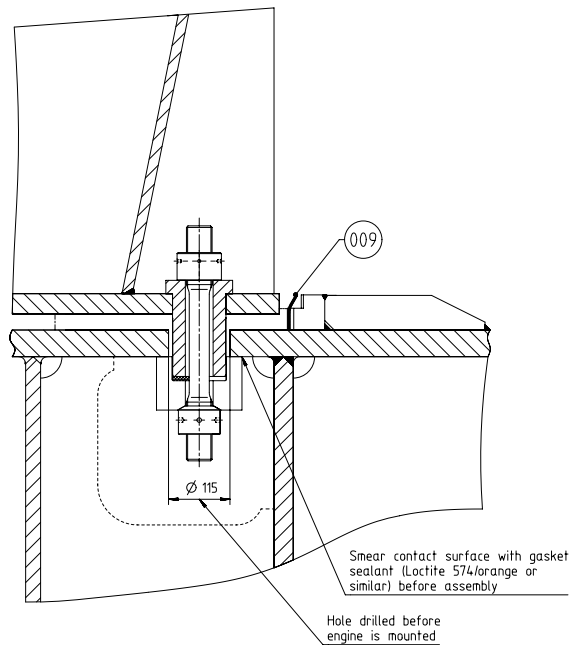
C-C

Arrangement after pouring
the epoxy resin chock

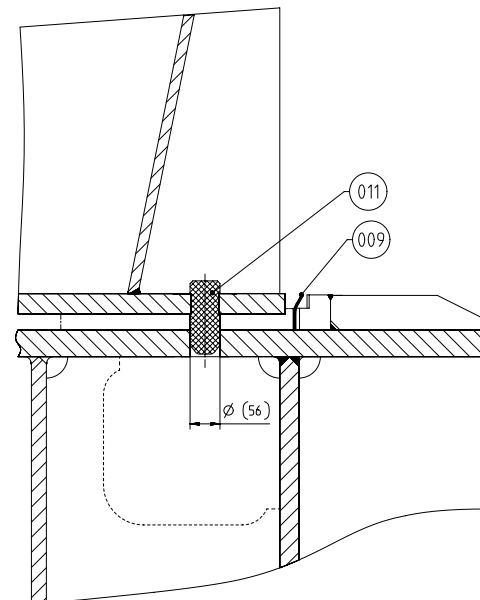
D-D

Arrangement after pouring
the epoxy resin chock

C-C

Arrangement before pouring
the epoxy resin chock

D-D

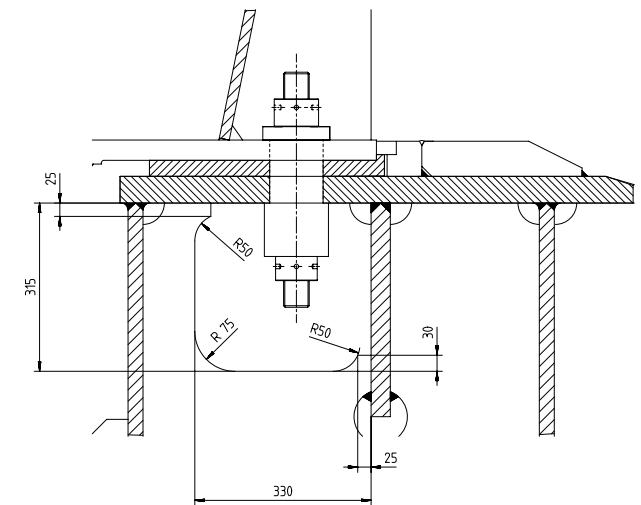
Arrangement before pouring
the epoxy resin chock

(B) CONTACT SURFACE BETWEEN WEDGE AND ENGINE BEDPLATE

	RT-flex50/-B/-D/DF
X [mm]	Min. 12

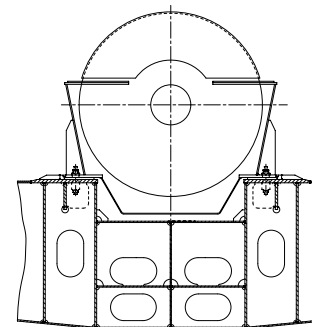
Modell		Free space for file		Q-Code XXXXX Standard ISO, JIS		Main Dwg. H	
EAAD082071	30.06.2010	EAAD089996	18.02.2019				
Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
Product		ENGINE SEATING/FOUNDATION THRUST SLEEVES		Material		Net Weight	
8RT-flex50				A1			
8RT-flex50-B				3/3			
8RT-flex50-D				9710			
8RT-flex50DF				107.401.668			
Units		mm kg NX		Scale		1:5	
Made		16.06.2010		Design Group		9710	
Chkd		jba029 Baumann		Drawing		B	
Appd		04.07.2008 MPR002 Prstec		Rev.		B	

SURFACE PROTECTION SEE GROUP 0344
TOLERANCING PRINCIPLE ISO8015
GENERAL TOLERANCES ACCORDING TO ISO2768-mK



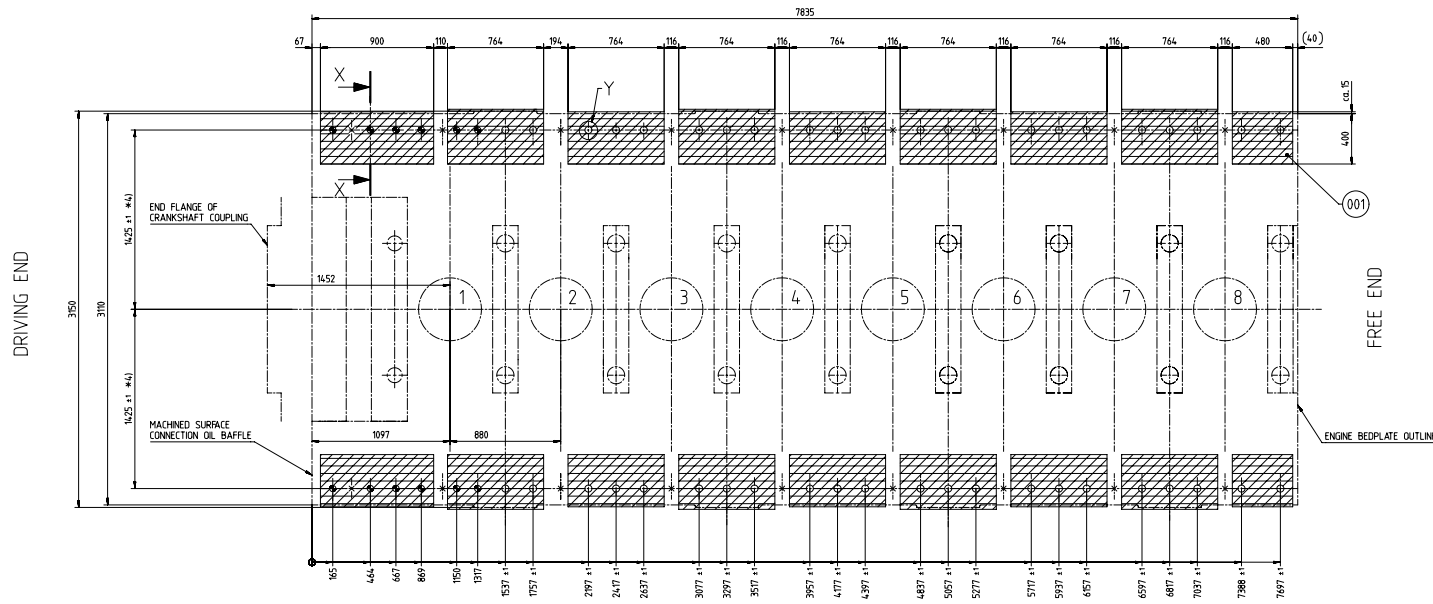
*1) Height to be determined by shipyard. For dimensions layout of lub. oil drain tank and drains refer to design group 9722.

*2) Chock thickness 30^{+30}_{-5}
- Final chock thickness to be determined by shipyard.



Height		*2) Chock thickness 30 ⁺³⁰ ₋₅						
HT6		- Final chock thickness to be determined by shipyard.						
1	015	107.40189.500	FITTING INSTRUCTIONS	107.401839				0,001
8	014	107.325.275.001	WEDGE	107.325.275	W-FU-235-JR			3,8
4	013	FAAD319194	ENGINE SIDE STOPPER	DAAD12248				24,0
4	012	107.402.028.200	ENGINE SIDE STOPPER	107.402.028				24,0
44	010	107.401837.001	PLUG	107.401837	Rubber750			0,2
1	009	107.367.119.001	SEALING PIECE	107.367.119				0,001
		107.246.051.001	SPHERICAL ROUND NUT	107.246.051	34CrMo4			1,2
56	007	107.401838.001	BUSH	107.401838	34CrMo4SOM 435			7,8
56	006	107.343.352.001	SEATING WASHER	107.343.352	34CrMo4SOM 435			1,8
56	005	107.345.876.008	ROUND NUT	107.345.876	42CrMo4SOM 440			1,2
44	004	107.401786.001	ELASTIC BOLT	107.401786	34CrMo4SOM 435			4,4
12	003	107.344.725.001	FITTED STUD	107.344.725	34CrMo4SOM 435			5,54
1	001	107.398.394.500	EPOXY RESIN	107.398.394				0,001
Quantity PER ENGINE	SEQ NO	Material ID	Material Name	Dimension, Occ	Standard or Drawing	Basic Material Material Standard	Weight GRUNE	
107.426.723.200	First space left blank	A	EAAD089996	18.02.2019				
Modif.	Number	Draw date	Number	Draw date	Number	Draw date	Number	Draw date
			Product 8RT-flex50 8RT-flex50-B 8RT-flex50-D 8RT-flex50DF		ENGINE SEATING/FOUNDATION FITTED STUDS			
Units	mm kg	NX	Basic Material				Net Weight	
Mach. Ord.	06.10.2009	J.Baumann	Scale	1:4.0	Size	A1	Page	1/3
Appr.	14.10.2009	JB A029 Baumann	Design Group	9710	Drawing ID	107.426.723		Rev.
					A			

B-B CHOCKING AND DRILLING PLAN FOR FOUNDATION BOLTS



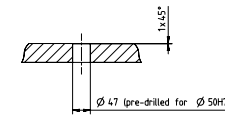
Remarks:

- *1) For the layout is taken into consideration:
 - A max. permissible static load of 0.7 N/mm²
 - Engine holding down studs fully tightened according to fitting instructions
 - Engine mass (incl. net engine mass, vibration damper, flywheel, water and oil)
- *2) The max. permissible mean surface pressure of the epoxy resin chocks is to be determined by the shipyard in accordance with the relevant classification society rules.
- *3) Referring to a standardized chock thickness of 25 up to 60 mm.
- *4) Tolerance does not apply for fitted studs.

Table 1: Dimensions of epoxy resin chocks *1)

No. of Cyl.	Max. perm. mean surface pressure of chock *2)	Total chock length	Total net chocking area	Required quantity of epoxy resin material *3)	
				min.	max.
	(N/mm ²)	(mm)	(cm ²)	(dm ³)	
8	4.5	6728	52426	133	317
No. of Cyl.	Total No. of holes	No. of fitted studs			
8	56	12			

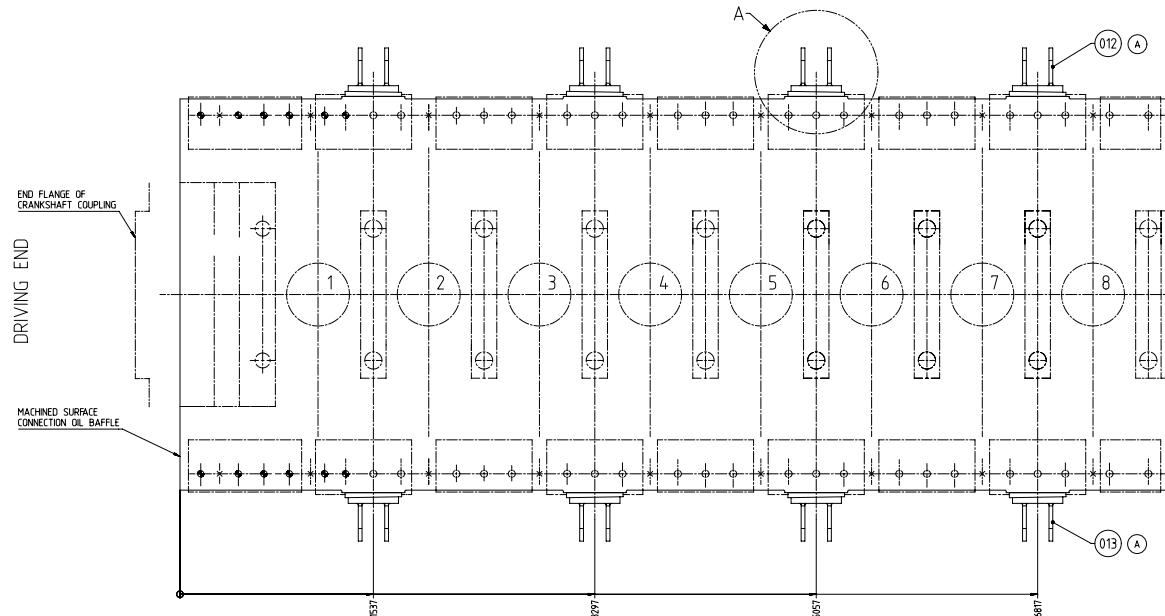
X-X (1:5)



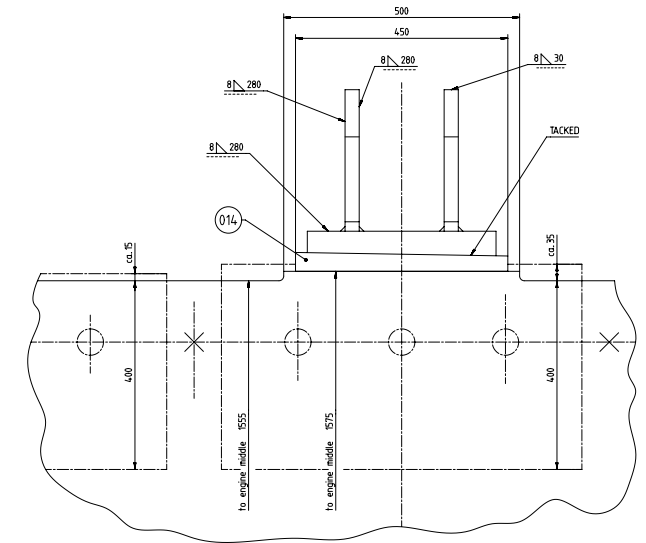
Y (1:5)



B-B ENGINE SIDE STOPPER ARRANGEMENT WITH WELDED TYPE



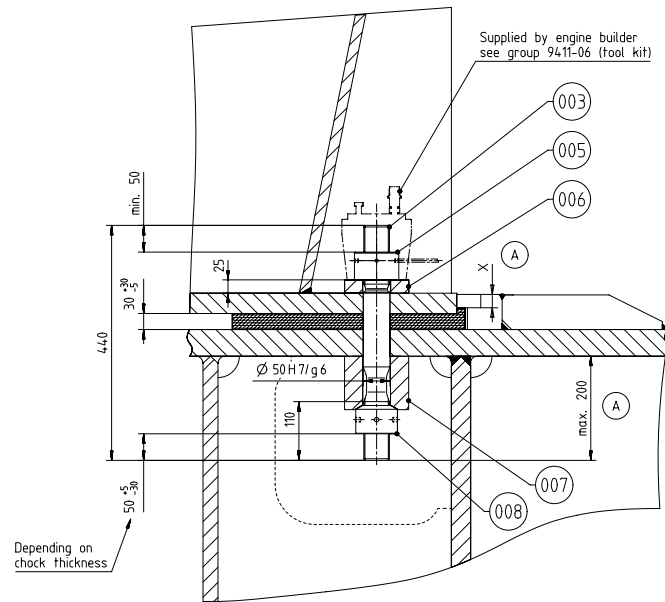
A A (1:4)



Date: 06.10.2019 Drawn: J. Baumgart Checked: J. Baumgart Design: J. Baumgart Scale: 1:5 Sheet: 1/3 Title: ENGINE SEATING FOUNDATION FITTED STUDS		No. 107426723
Material: BRT-flex50 BRT-flex50-B BRT-flex50-D BRT-flex50DF		Net weight:

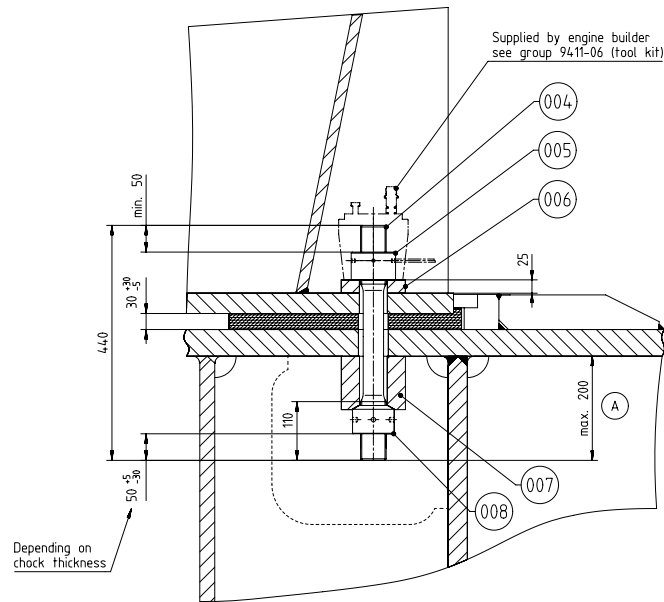
C-C

Arrangement after pouring
the epoxy resin chock



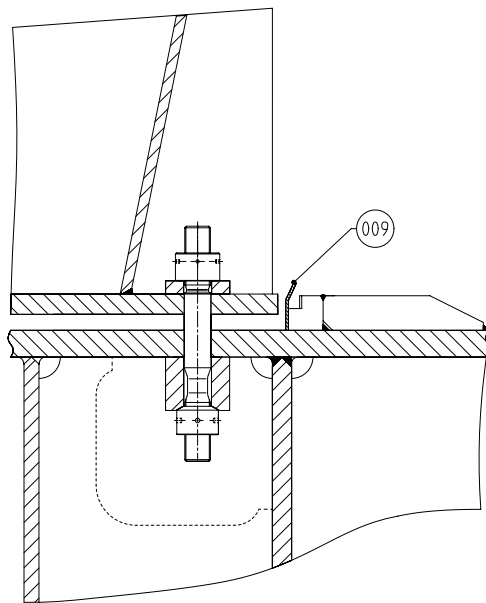
D-D

Arrangement after pouring
the epoxy resin chock



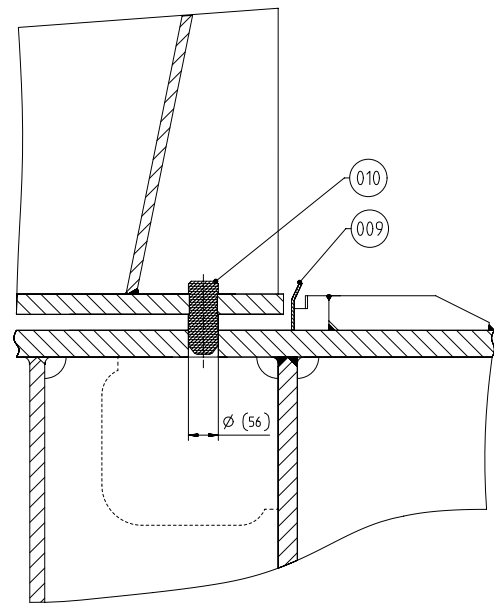
C-C

Arrangement before pouring
the epoxy resin chock



D-D

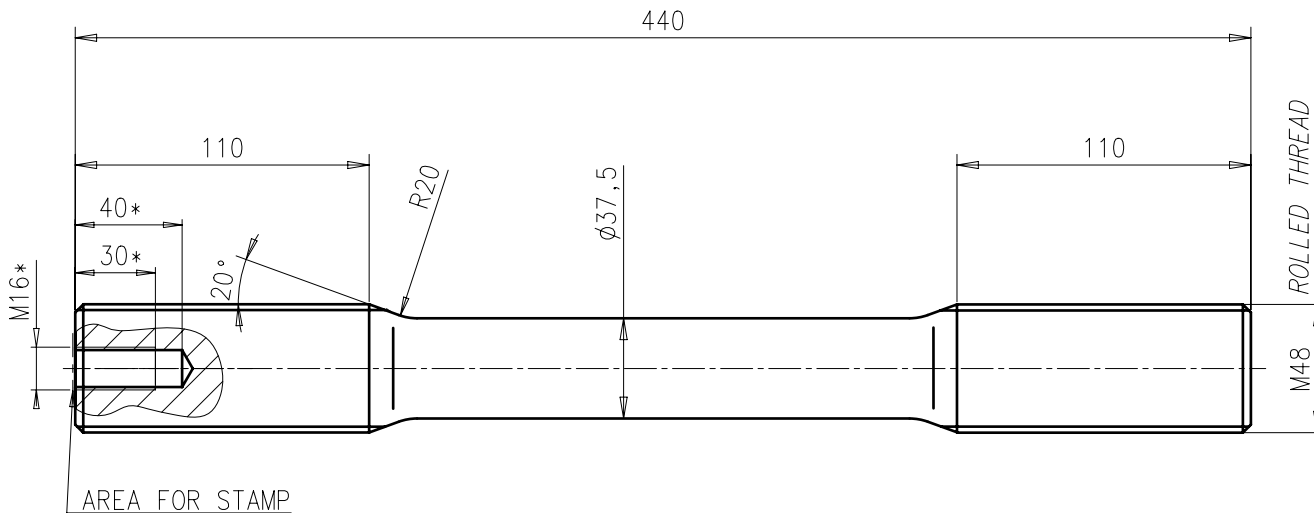
Arrangement before pouring
the epoxy resin chock



A CONTACT SURFACE BETWEEN WEDGE AND ENGINE BEDPLATE

RT-flex50/-B/-D/DF
X [mm] Min. 12

Mod.	Free space for file	Q-Code	XXXXXX	Main Drw.	H
EAAD08996	18.02.2019	Standard	ISO, JIS		
Number	Drawn date	Number	Drawn date	Number	Drawn date
Product	8RT-flex50	ENGINE SEATING/FOUNDATION			
	8RT-flex50-B	FITTED STUDS			
	8RT-flex50-D				
	8RT-flex50DF				
Units	mm kg	NX	Basic Material	Size	Page
Made	06.10.2009	J.Baumann	Scale	1:5	A1 3/3
Chd	14.10.2009	JBA/029 Baumann	Design Group	9710	Material ID
Appd					107.426.723
SURFACE PROTECTION SEE GROUP 0344			Rev. A		
TOLERANCING PRINCIPLE ISO8015					
GENERAL TOLERANCES ACCORDING TO ISO2768-mK					



*Optional for installation

Ra3.2

MACHINED BEFORE THREAD ROLLING

Rm = 800 ± 150 N/mm²

QUENCH HARDENED AND TEMPERED

Re = min. 550 N/mm²
YIELD POINT

A(Lo = 5do) = min. 14%
ELONGATION AT BREAK

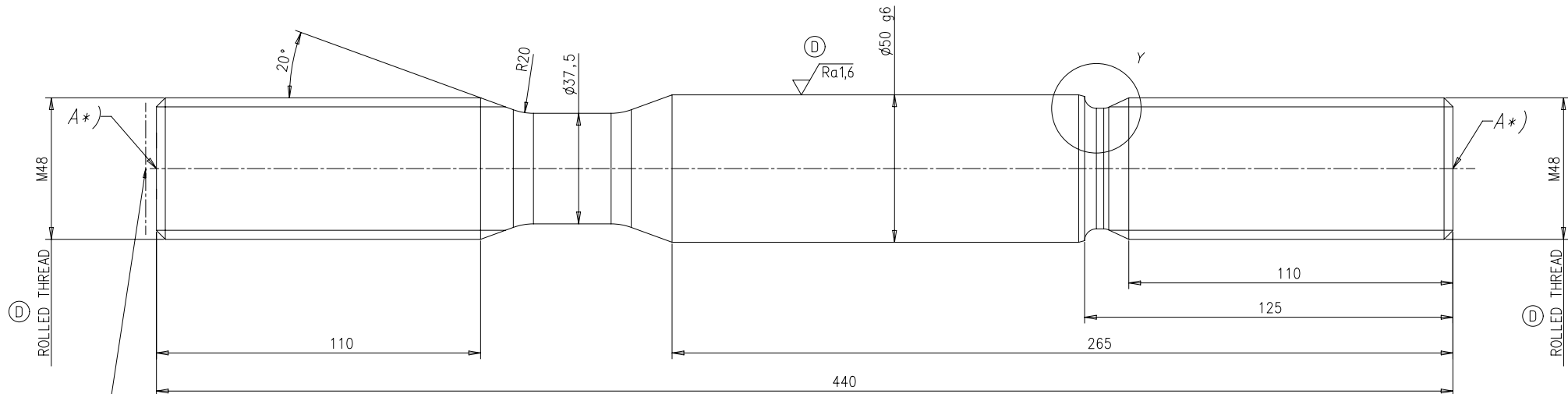
ISO-V = 45J (Temp. 20°C)
IMPACT ENERGY

* THIS TABLE REFERS TO DIN EN 10204-(2004), 'TYPES OF INSPECTION DOCUMENTS'		
LISTED ARE THE MOST STRINGENT CERTIFICATION REQUIREMENTS		
ACTUAL REQUIREMENTS MUST BE AGREED WITH THE APPROPRIATE CLASSIFICATION SOCIETY		
TEST TYPE:	CERTIFICATE TYPE:	TESTING FREQUENCY:
MATERIAL	MATERIAL IDENTIFICATION	-
CHEMICAL ANALYSIS	CLASSIFICATION CERTIFICATE 3.2 *	TEST PER ORDER LOT OR PER CHARGE IF SEVERAL CHARGES
TENSILE TEST	CLASSIFICATION CERTIFICATE 3.2 *	TEST PER ORDER LOT OR PER CHARGE IF SEVERAL CHARGES
IMPACT TEST	CLASSIFICATION CERTIFICATE 3.2 *	TEST PER ORDER LOT OR PER CHARGE IF SEVERAL CHARGES
HARDNESS TEST	INSPECTION CERTIFICATE 3.1 * (INDEPENDENT AUTHORITY)	EXAMINATION OF EACH PART
SURFACE CRACK DETECTION TEST	INSPECTION CERTIFICATE 3.1 * (INDEPENDENT AUTHORITY)	EXAMINATION OF EACH PART

1	001	107.427.450.200	MATERIAL AND TEST SPECIFICATION ELASTIC BOLT				107.427.450		0,006				
QTY	SEQ NO	Material ID	Material Name			Dimension, Occ	Standard or Drawing	Basic Material Material Standard	Weight GR./NET				
Free space for lic.								Q-Code 1QXP1	Main Drw.				
								Standard ISO; JIS					
Modif.	A	EAAD083430	18.01.2012	B	EAAD087209	09.06.2017	C	EAAD088473	12.10.2017				
		Number	Drawn date		Number	Drawn date		Number	Drawn date		Number Drawn date		
WIN GD Winterthur Gas & Diesel			Product W-2S			ELASTIC BOLT Dehnbolzen							
Units	mm kg	NX			Basic Material W-FA-34CrMo-QT					Net Weight 4,4			
Made	27.06.2008 M.PRSTEC				Scale	1:2	Size	A3	Page	1/1	Material ID	107.401.786.001	
Chkd					Design Group								
Appd	03.07.2008 MPR002 Prstec				9710		Drawing ID 107.401.786					Rev.	C

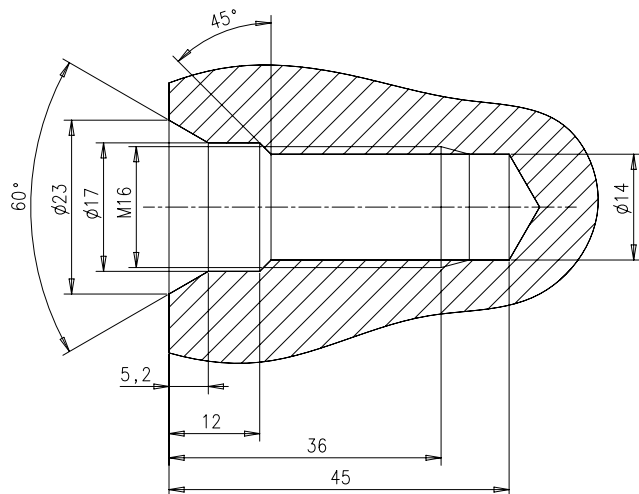
100 - DIMENSIONAL DRAWING - Confidential

Approved

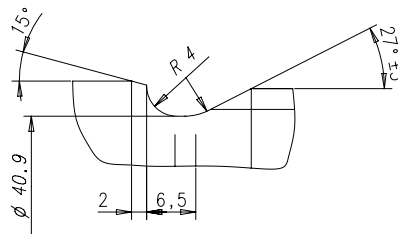


AREA FOR STAMP

A* (2:1)



Y (2:1)



ⓓ

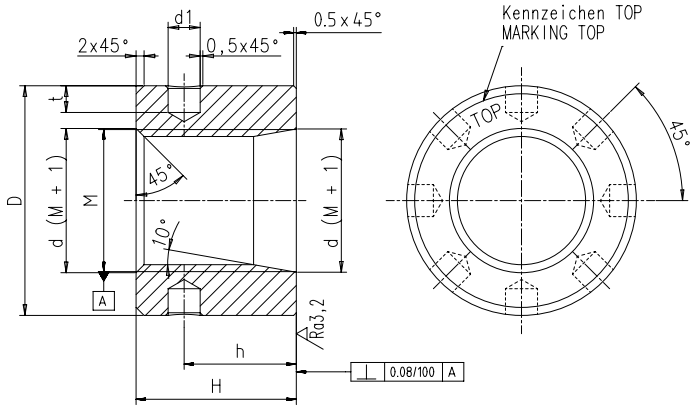
✓ $\sqrt{Ra3,2}$

(✓)

MACHINED BEFORE THREAD ROLLING
QUENCH HARDENED AND TEMPERED, $R_m = 800^{+150}_0$ N/mm²
YIELD POINT $R_e = \min. 550$ N/mm²
ELONGATION AT BREAK $A(L_0 = 5d_0) = \min. 14\%$
IMPACT ENERGY ISO-V = 45J (Temp. 20°C)

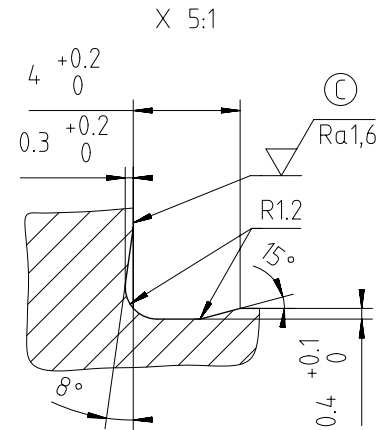
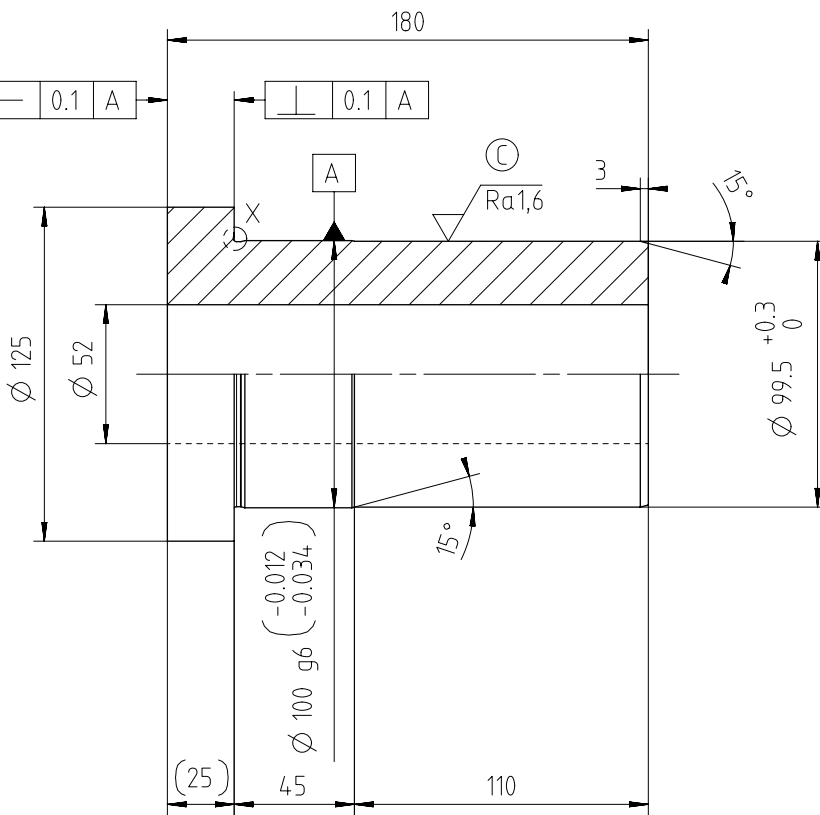
INSPECTION DOCUMENTS ACCORDING DIN EN 10204		
SOME SPECIFIC REQUIREMENTS MAY HAVE TO BE FOLLOWED. THIS IS TO BE AGREED WITH THE APPROPRIATE CLASSIFICATION SOCIETY		
TEST TYPE	CERTIFICATE TYPE	TESTING FREQUENCY
MATERIAL	MATERIAL IDENTIFICATION	-
CHEMICAL ANALYSIS	CLASSIFICATION CERTIFICATE 3.2	TEST PER ORDER LOT OR PER CHARGE IF SEVERAL CHARGES
TENSILE TEST	CLASSIFICATION CERTIFICATE 3.2	TEST PER ORDER LOT OR PER CHARGE IF SEVERAL CHARGES
IMPACT TEST	CLASSIFICATION CERTIFICATE 3.2	TEST PER ORDER LOT OR PER CHARGE IF SEVERAL CHARGES
HARDNESS TEST	INSPECTION CERTIFICATE 3.1 (INDEPENDENT AUTHORITY)	EXAMINATION OF EACH PART
SURFACE CRACK DES. TEST	CLASSIFICATION CERTIFICATE 3.2	EXAMINATION OF EACH PART

Free space for file	Q-Code XXXXXX Standard ISO; JIS	Main Drw.
Modif. A 7-29.891 Number	29.09.2004 Drawn date	Modif. B 7-76.889 Number
14.10.2009 Drawn date	Modif. C EAAD083605 Number	01.03.2012 Drawn date
Modif. D EAAD091567 Number	20.11.2019 Drawn date	
Product W-25		FITTED STUD Passbolzen
Units mm kg	NX	Basic Material W-FA-34CrMo-QT
Net Weight 5,54		
SURFACE PROTECTION SEE GROUP 0344		Made 19.07.2004 S.STYLIANOU
TOLERANCING PRINCIPLE ISO8015		Scale 1:1
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Size A2
Appd 27.07.2004 SNA001		Page 1/1
Design Group 9710		Material 107.344.725.001
Drawing ID 107.344.725		Rev. D



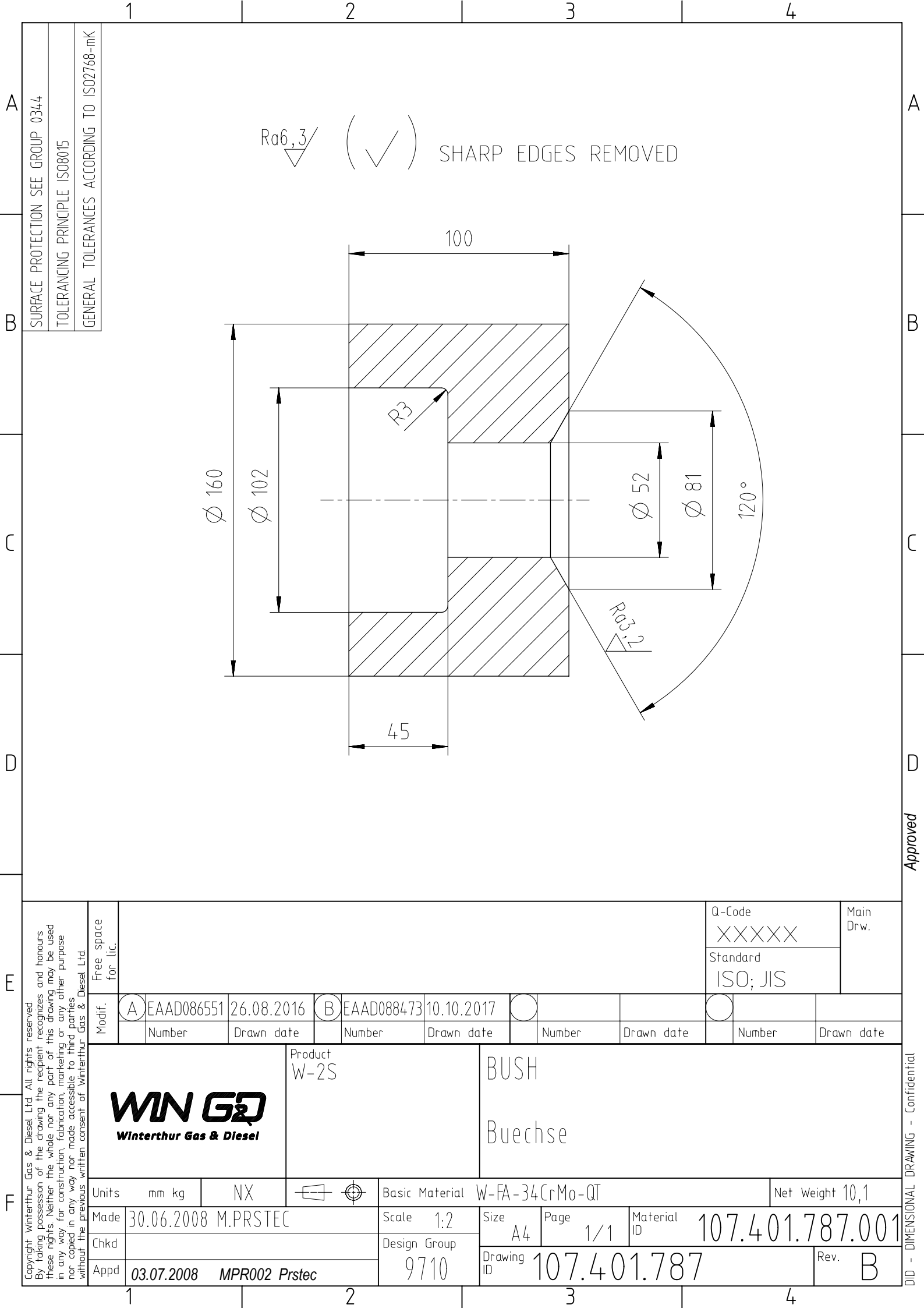
POS.	M	D	d	H	h	d1	t
001	M27	47	28	29	20	$6^{+0.2}_0$	7
002	M30	52	31	33	23	$6^{+0.2}_0$	7
003	M33	57	34	36	25	$6^{+0.2}_0$	7
004	M36	62	37	39	27	$6^{+0.2}_0$	7
005	M39	67	40	42	29	$6^{+0.2}_0$	7
006	M42	73	43	46	32	$6^{+0.2}_0$	7
007	M45	78	46	49	34	$6^{+0.2}_0$	7
008	M48	83	49	52	36	$6^{+0.2}_0$	7
009	M52	90	53	56	39	$6^{+0.2}_0$	7
010	M56	97	57	61	43	$9.5^{+0.2}_0$	10
011	M60	104	61	65	46	$9.5^{+0.2}_0$	10
012	M64	110	65	70	49	$9.5^{+0.2}_0$	10
013	M68	117	69	74	52	$9.5^{+0.2}_0$	10
014	M72	124	73	78	55	$9.5^{+0.2}_0$	10
015	M76	131	77	82	57	$9.5^{+0.2}_0$	10
016	M80	138	81	87	61	$14^{+0.2}_0$	15
017	M85	146	86	92	64	$14^{+0.2}_0$	15
018	M90	155	91	98	69	$14^{+0.2}_0$	15
019	M95	164	96	103	72	$14^{+0.2}_0$	15
020	M100	172	101	108	76	$14^{+0.2}_0$	15

		Ra6,3 / (Ra3,2)									
MATERIAL :		42CrMo4 (ISO)	SCM440 (JIS)								
D > 40 - ≤100		verguetet Rm = 900-1100 N/mm ² HEAT TREATED									
D > 100 - ≤160		verguetet Rm = 800-950 N/mm ² HEAT TREATED									
D > 160 - ≤250		verguetet Rm = 750-900 N/mm ² HEAT TREATED									
1	020	107.345.876.020	ROUND NUT	M100	107.345.876	W-FA-42CrMo-07	13,2				
1	019	107.345.876.019	ROUND NUT	M95	107.345.876	W-FA-42CrMo-07	11,4				
1	018	107.345.876.018	ROUND NUT	M90	107.345.876	W-FA-42CrMo-07	9,7				
1	017	107.345.876.017	ROUND NUT	M85	107.345.876	W-FA-42CrMo-07	8,1				
1	016	107.345.876.016	ROUND NUT	M80	107.345.876	W-FA-42CrMo-07	6,8				
1	015	107.345.876.015	ROUND NUT	M76	107.345.876	W-FA-42CrMo-07	5,9				
1	014	107.345.876.014	ROUND NUT	M72	107.345.876	W-FA-42CrMo-07	5,0				
1	013	107.345.876.013	ROUND NUT	M68	107.345.876	W-FA-42CrMo-07	4,2				
1	012	107.345.876.012	ROUND NUT	M64	107.345.876	W-FA-42CrMo-07	3,5				
1	011	107.345.876.011	ROUND NUT	M60	107.345.876	W-FA-42CrMo-07	2,9				
1	010	107.345.876.010	ROUND NUT	M56	107.345.876	W-FA-42CrMo-07	2,36				
1	009	107.345.876.009	ROUND NUT	M52	107.345.876	W-FA-42CrMo-07	1,86				
1	008	107.345.876.008	ROUND NUT	M48	107.345.876	W-FA-42CrMo-07	1,42				
1	007	107.345.876.007	ROUND NUT	M45	107.345.876	W-FA-42CrMo-07	1,2				
1	006	107.345.876.006	ROUND NUT	M42	107.345.876	W-FA-42CrMo-07	0,96				
1	005	107.345.876.005	ROUND NUT	M39	107.345.876	W-FA-42CrMo-07	0,79				
1	004	107.345.876.004	ROUND NUT	M36	107.345.876	W-FA-42CrMo-07	0,63				
1	003	107.345.876.003	ROUND NUT	M33	107.345.876	W-FA-42CrMo-07	0,49				
1	002	107.345.876.002	ROUND NUT	M30	107.345.876	W-FA-42CrMo-07	0,37				
1	001	107.345.876.001	ROUND NUT	M27	107.345.876	W-FA-42CrMo-07	0,25				
QTY	SEQ. NO.	Material ID	Material Name	Dimension, Dia	Standard or Drawing	Basic Material	Weight GR/NET				
						Q-Code	Material Standard				
						XQXXXX	Main Drw.				
						Standard	ISO, JIS				
Mod.	A EAAD700017		13.01.2011	B EAAD084319		06.02.2013	C EAAD087822		12.07.2017	D	
	Number		Drawn date	Number		Drawn date	Number		Drawn date	Number	
Product		W-2S		ROUND NUT		ROUND NUT					
WINNER G&M		WINNER G&M		WINNER G&M		WINNER G&M		WINNER G&M		WINNER G&M	
Units	mm	kg	MV	Basic Material		Net Weight					
Chd	19.08.2004		PNE001		P.Neracher		Scale		1:1		
Appd	20.08.2004		PNE001		Neracher		Size		A1		
Drawing ID	3306						Material ID		107.345.876		
Rev.							C				



Ⓒ $\sqrt{Ra6,3}$ (✓)

Free space for lic.							Q-Code XXXXX	Main Drw.
							Standard ISO; JIS	
Modif.	Ⓐ 7-79.341	16.03.2010	Ⓑ EAAD082648	12.07.2011	Ⓒ EAAD091567	20.11.2019	Ⓓ	
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
WIN GD Winterthur Gas & Diesel				Product W-2S		SLEEVE Huelse		
Units	mm kg	NX		Basic Material			W-FA-34CrMo-QT	
SURFACE PROTECTION SEE GROUP 0344				Made	27.06.2008 M.PRSTEC		Scale	1:2
TOLERANCING PRINCIPLE ISO8015				Chkd			Size	A3
GENERAL TOLERANCES ACCORDING TO ISO2768-mK				Appd	03.07.2008 MPR002 Prstec		Page	1/1
							Material ID	107.401.785.001
							Design Group	9710
							Drawing ID	107.401.785
							Rev.	C
							Net Weight	8,3

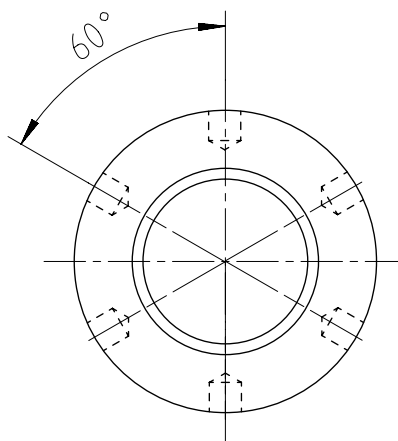
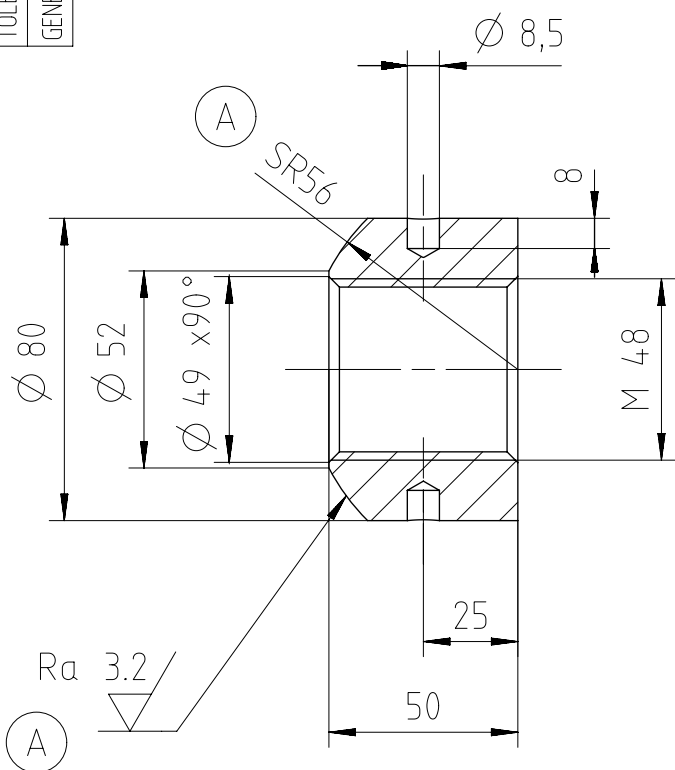


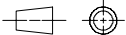
Copyright Winterthur Gas & Diesel Ltd. All rights reserved.
By taking possession of the drawing the recipient recognizes and honours
these rights. Neither the whole nor any part of this drawing may be used
in any way for construction, fabrication, marketing or any other purpose
nor copied in any way nor made accessible to third parties
without the previous written consent of Winterthur Gas & Diesel Ltd.

Modif.	Free space for lic.	Q-Code						Main	
		XXXXXX						Drw.	
Standard		ISO; JIS							
A	EAAD086551	26.08.2016	B	EAAD088473	10.10.2017				
Number		Drawn date	Number		Drawn date	Number		Drawn date	Drawn date
Units		mm kg	NX		Basic Material		W-FA-34CrMo-QT		
Made		30.06.2008 M.PRSTEC			Scale		1:2		
Chkd					Design Group		9710		
Appd		03.07.2008 MPR002 Prstec			Drawing ID		107.401.787		
Product		W-2S			BUSH		Buechse		
Net Weight		10,1							
Material ID		107.401.787.001							
Rev.		B							

DID - DIMENSIONAL DRAWING - Confidential

Ra 6.3 /  SHARP EDGES REMOVED

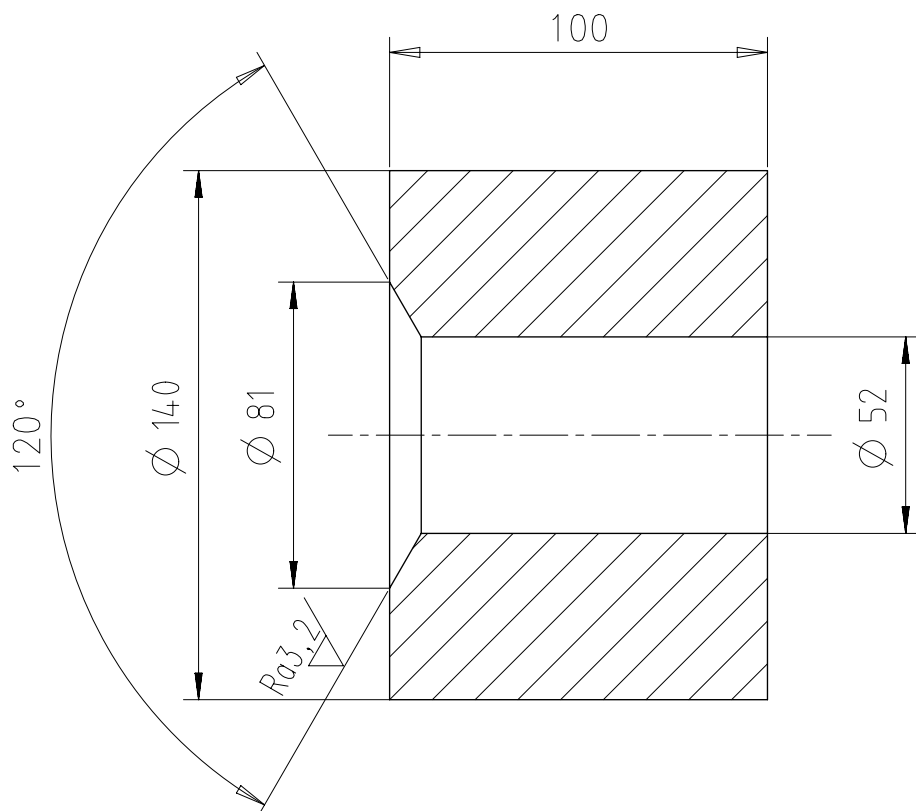


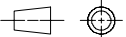
Free space for lic.								Q-Code XXXXXX	Main Drw.
								Standard ISO; JIS	
Modif.	(A)	EAAD088473	10.10.2017	()		()		()	
		Number	Drawn date		Number	Drawn date		Number	Drawn date
 Winterthur Gas & Diesel			Product W-2S			SPHERICAL ROUND NUT Kugelige Rundmutter			
Units	mm kg	NX			Basic Material W-FA-34CrMo-QT				Net Weight 1,2
Made	13.11.1995 R. Nideroest		Scale 1:2	Size A4	Page 1/1	Material ID 107.246.051.001			
Chkd			Design Group	Drawing ID 107.246.051				Rev. A	
Appd	20.11.1995 MLU011 Lüthi		9710						

Ra6,3

(✓)

SHARP EDGES REMOVED

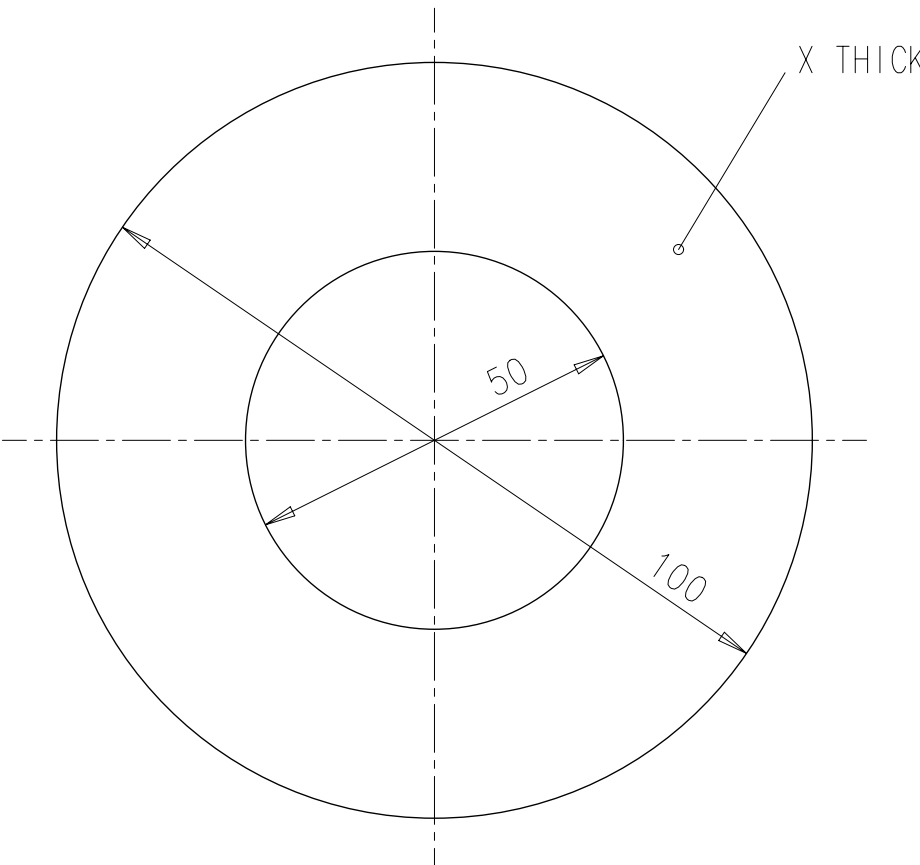


Free space for lic.								Q-Code XXXXXX		Main Drw.	
								Standard ISO; JIS			
Modif.	Ⓐ	EAAD088473	10.10.2017	⊙				⊙			
		Number	Drawn date		Number	Drawn date		Number	Drawn date		
			Product W-2S		BUSH Buechse						
Units	mm kg	NX		Basic Material W-FA-34CrMo-QT					Net Weight 7,8		
Made	30.06.2008 M.PRSTEC			Scale	1:2	Size	A4	Page	1/1	Material ID	107.401.838.001
Chkd				Design Group	9710	Drawing ID	107.401.838			Rev.	A
Appd	03.07.2008 MPR002 Prstec										

Approved

CONFIDENTIAL - DIMENSIONAL DRAWING - Confidential

	1	2	3	4																																										
A	SURFACE PROTECTION SEE GROUP 0344																																													
B	TOLERANCING PRINCIPLE ISO8015																																													
	GENERAL TOLERANCES ACCORDING TO ISO2768-mK																																													
C																																														
D	Approved																																													
E	<table><tr><td rowspan="2">Free space for lic.</td><td colspan="6"></td><td>Q-Code XXXXXX</td><td rowspan="2">Main Drw.</td></tr><tr><td colspan="6"></td><td>Standard ISO; JIS</td></tr><tr><td rowspan="2">Modif.</td><td>A</td><td>EAAD082947</td><td>03.08.2011</td><td>B</td><td>EAAD091567</td><td>03.03.2020</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>Number</td><td>Drawn date</td><td></td><td>Number</td><td>Drawn date</td><td></td><td>Number</td><td>Drawn date</td><td></td></tr></table>				Free space for lic.							Q-Code XXXXXX	Main Drw.							Standard ISO; JIS	Modif.	A	EAAD082947	03.08.2011	B	EAAD091567	03.03.2020						Number	Drawn date		Number	Drawn date		Number	Drawn date						
Free space for lic.							Q-Code XXXXXX	Main Drw.																																						
							Standard ISO; JIS																																							
Modif.	A	EAAD082947	03.08.2011	B	EAAD091567	03.03.2020																																								
		Number	Drawn date		Number	Drawn date		Number	Drawn date																																					
F	<table><tr><td rowspan="4"> Winterthur Gas & Diesel</td><td colspan="2">Product W-2S</td><td colspan="2">SEALING PIECE Dichtleiste</td></tr><tr><td colspan="2">Units mm kg NX </td><td colspan="2">Basic Material</td></tr><tr><td>Made</td><td>13.02.2006 R. ZUCCHI</td><td>Scale</td><td>1:1</td></tr><tr><td>Chkd</td><td></td><td>Design Group</td><td>9710</td></tr><tr><td>Appd</td><td>03.04.2006 SNA001</td><td>Drawing ID</td><td colspan="2">107.367.119</td></tr><tr><td colspan="2"></td><td>Size</td><td>A4</td><td>Page</td><td>1/1</td><td>Material ID</td><td>107.367.119.001</td><td>Rev.</td><td>B</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Net Weight 0,001</td><td colspan="2"></td></tr></table>				 Winterthur Gas & Diesel	Product W-2S		SEALING PIECE Dichtleiste		Units mm kg NX		Basic Material		Made	13.02.2006 R. ZUCCHI	Scale	1:1	Chkd		Design Group	9710	Appd	03.04.2006 SNA001	Drawing ID	107.367.119				Size	A4	Page	1/1	Material ID	107.367.119.001	Rev.	B							Net Weight 0,001			
 Winterthur Gas & Diesel	Product W-2S		SEALING PIECE Dichtleiste																																											
	Units mm kg NX		Basic Material																																											
	Made	13.02.2006 R. ZUCCHI	Scale	1:1																																										
	Chkd		Design Group	9710																																										
Appd	03.04.2006 SNA001	Drawing ID	107.367.119																																											
		Size	A4	Page	1/1	Material ID	107.367.119.001	Rev.	B																																					
						Net Weight 0,001																																								
	1	2	3	4																																										
PD - PRODUCTION DRAWING - Confidential																																														

	1	2	3	4																																												
A	SURFACE PROTECTION SEE GROUP 03/44																																															
B	TOLERANCING PRINCIPLE ISO8015																																															
	GENERAL TOLERANCES ACCORDING TO ISO2768-mK																																															
C																																																
D	A Remarks: "X" determined during assembly (depends on chock thickness) * Material according to shipyard experience PROPOSAL: Oil resistant NBR rubber with a hardness of 60-70 shore A																																															
E	<table><tr><td rowspan="2">Free space for lic.</td><td colspan="6">Q-Code</td><td colspan="2">Main Drw.</td></tr><tr><td colspan="6">XXXXXX</td><td colspan="2"></td></tr><tr><td rowspan="2">Modif.</td><td colspan="6">Standard</td><td colspan="2"></td></tr><tr><td colspan="6">ISO; JIS</td><td colspan="2"></td></tr></table>				Free space for lic.	Q-Code						Main Drw.		XXXXXX								Modif.	Standard								ISO; JIS																	
Free space for lic.	Q-Code						Main Drw.																																									
	XXXXXX																																															
Modif.	Standard																																															
	ISO; JIS																																															
F	<table><tr><td colspan="2">Units</td><td>mm</td><td>kg</td><td>NX</td><td colspan="2">Basic Material</td><td colspan="2">Net Weight</td></tr><tr><td>Made</td><td colspan="3">30.06.2008 M. PRSTEC</td><td>Scale</td><td>1:1</td><td>Size</td><td>A4</td><td>Page</td><td>1/1</td><td>Material ID</td><td>107.401.836.001</td></tr><tr><td>Chkd</td><td colspan="3"></td><td>Design Group</td><td>9710</td><td>Drawing ID</td><td colspan="3">107.401.836</td><td>Rev.</td><td>A</td></tr><tr><td>Appd</td><td colspan="3">03.07.2008 MPR002 Prstec</td><td colspan="7"></td></tr></table>				Units		mm	kg	NX	Basic Material		Net Weight		Made	30.06.2008 M. PRSTEC			Scale	1:1	Size	A4	Page	1/1	Material ID	107.401.836.001	Chkd				Design Group	9710	Drawing ID	107.401.836			Rev.	A	Appd	03.07.2008 MPR002 Prstec									
Units		mm	kg	NX	Basic Material		Net Weight																																									
Made	30.06.2008 M. PRSTEC			Scale	1:1	Size	A4	Page	1/1	Material ID	107.401.836.001																																					
Chkd				Design Group	9710	Drawing ID	107.401.836			Rev.	A																																					
Appd	03.07.2008 MPR002 Prstec																																															
	1	2	3	4																																												

Copyright Winterthur Gas & Diesel Ltd. All rights reserved.
By taking possession of the drawing the recipient recognizes and honours these rights. Neither the whole nor any part of this drawing may be used in any way for construction, fabrication, marketing or any other purpose nor copied in any way nor made accessible to third parties without the previous written consent of Winterthur Gas & Diesel Ltd.

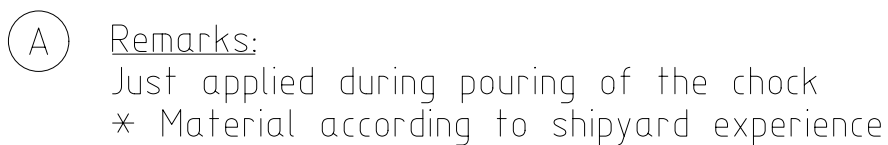
WIN G&D
Winterthur Gas & Diesel

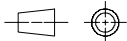
Product
W-2S

JOINT DISC
Dichtscheibe

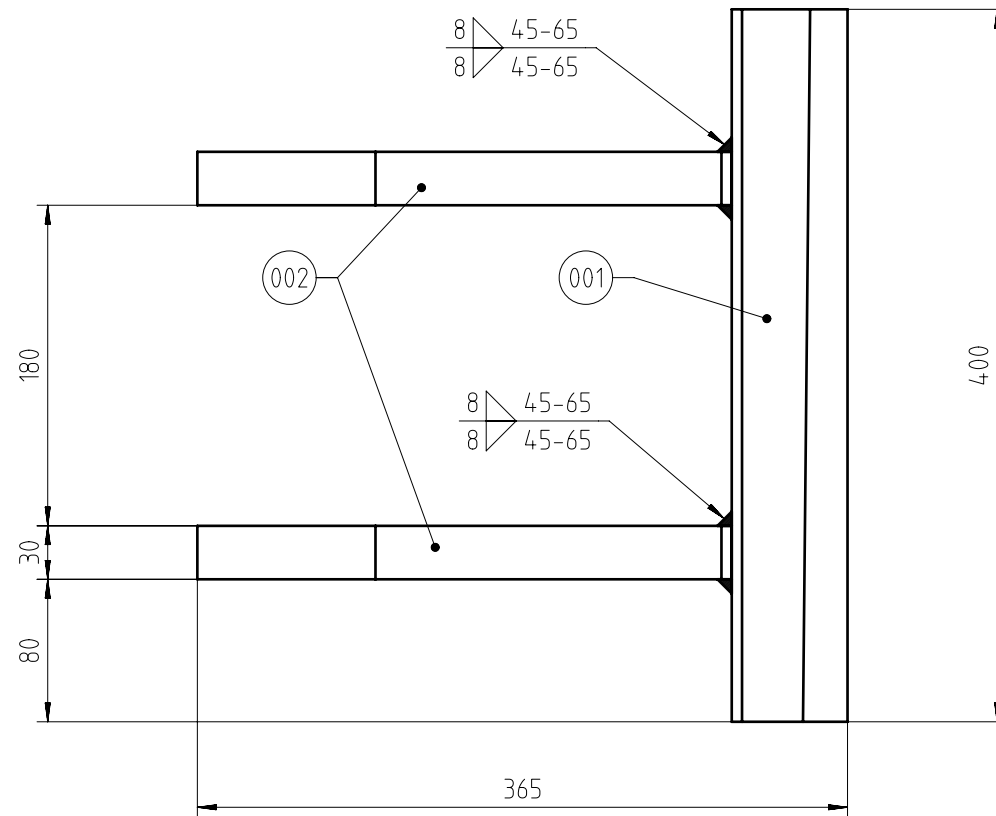
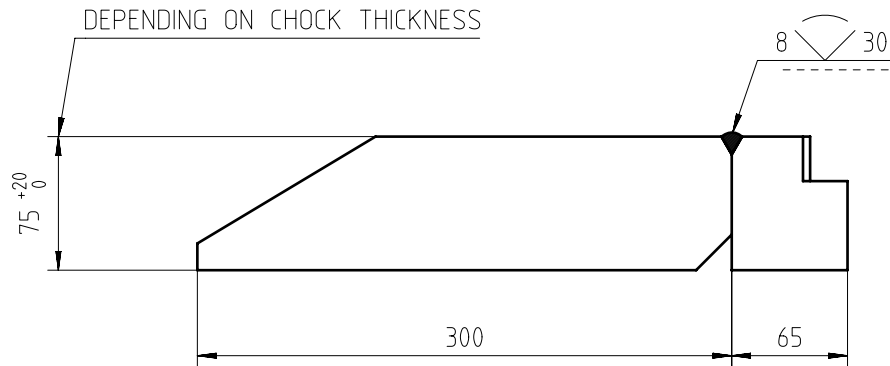
DID - DIMENSIONAL DRAWING - Confidential

Approved



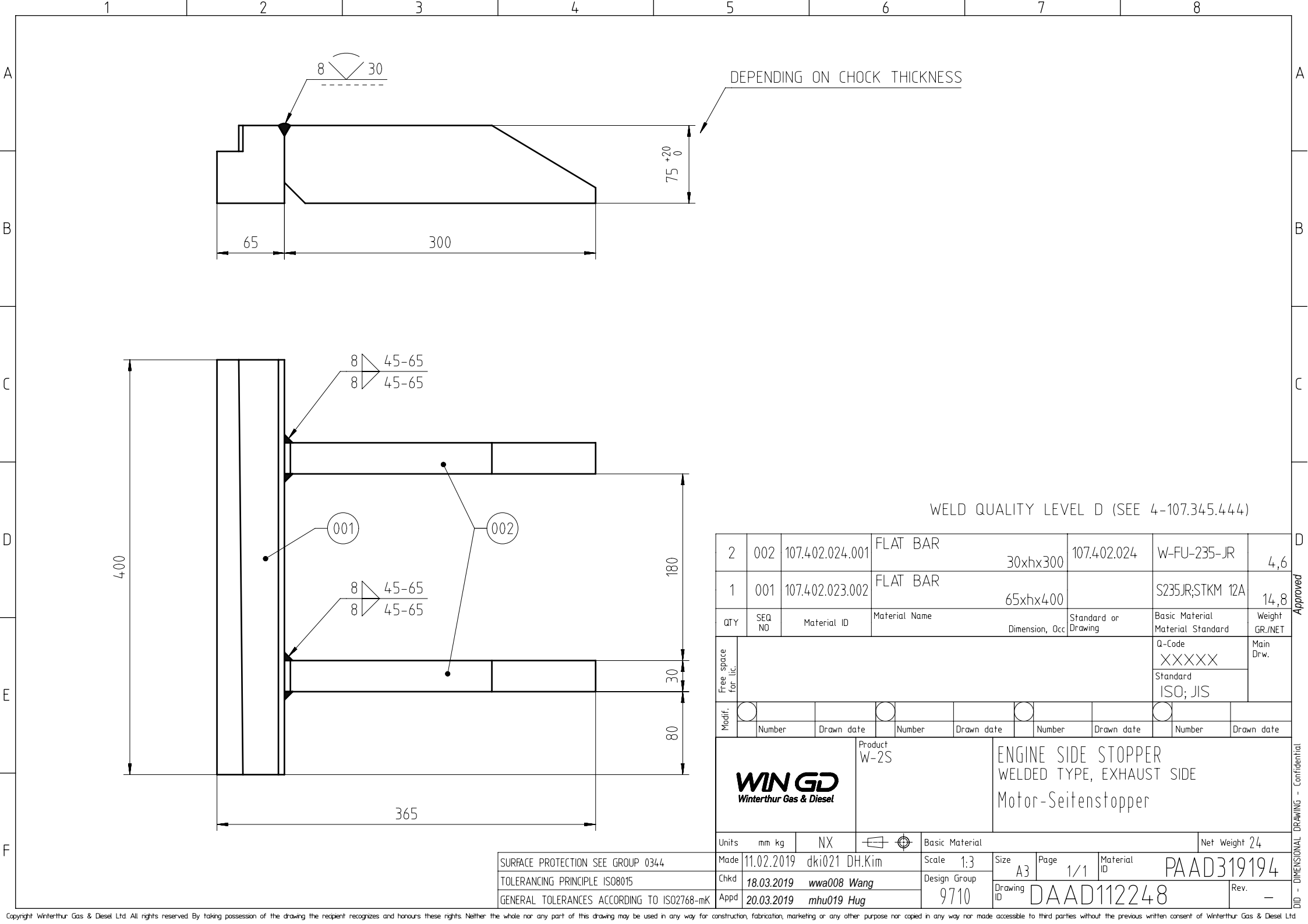
Free space for lic.											Q-Code XXXXXX		Main Drw.
											Standard ISO; JIS		
Modif.	(A)	EAAD088473	10.10.2017	()			()			()			
		Number	Drawn date		Number	Drawn date		Number	Drawn date		Number	Drawn date	
			Product W-2S				PLUG Stopfen						
Units	mm	kg	NX			Basic Material *					Net Weight 0,2		
Made	30.06.2008 M. PRSTEC				Scale 1:2		Size A4	Page 1/1	Material ID	107.401.837.001			
Chkd					Design Group							Rev.	A
Appd	03.07.2008 MPR002 Prstec				9710		Drawing ID 107.401.837						

(B)



(B) WELD QUALITY LEVEL D (SEE 4-107.345.444)

2	002	107.402.024.001	FLAT BAR	30xhx300	107.402.024	W-FU-235-JR	4,6
1	001	107.402.023.001	FLAT BAR	65xhx400		S235JR,STKM 12A	14,8
QTY	SEQ NO	Material ID	Material Name	Dimension, Occ	Standard or Drawing	Basic Material Material Standard	Weight GR./NET
Free space for lic.						Q-Code XXXXX Standard ISO; JIS	Main Drw.
Modif.	A	EAAD084051	22.01.2013	B	EAAD089996	11.02.2019	
	Number	Drawn date		Number	Drawn date		
Units		mm kg	NX	Basic Material		Net Weight 24	
SURFACE PROTECTION SEE GROUP 0344		Made	02.07.2008 M.Prstec	Scale	1:3	Size A3	Page 1/1
TOLERANCING PRINCIPLE ISO8015		Chkd		Design Group	9710	Drawing ID	107.402.028
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Appd	03.07.2008 MPR002 Prstec			Rev.	B



A

75-95 mm

 $10 \times 30^\circ$

654

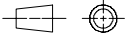
25

1:100

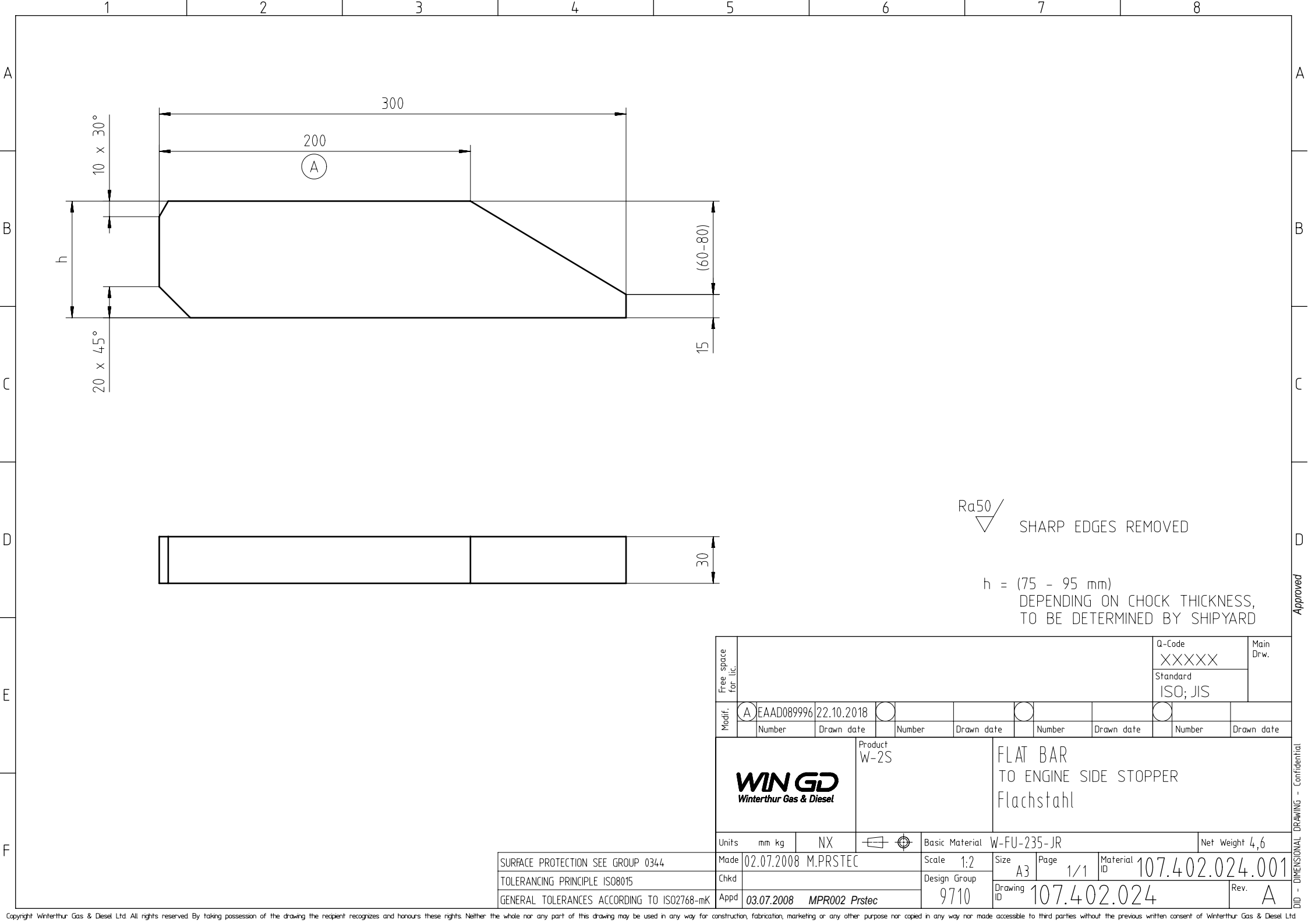
A

 $\sqrt{\text{Ra}_{6,3}}$

Approved

Free space for lic.							Q-Code XXXXXX	Main Drw.
							Standard ISO; JIS	
Modif.	A	EAAD091567	21.11.2019					
		Number	Drawn date		Number	Drawn date		Number
			Product W-2S			FLAT BAR TO ENGINE SIDE STOPPER Flachstahl		
Units	mm kg	NX			Basic Material W-FU-235-JR			Net Weight 14,8
Made	02.07.2008 M.PRSTEC			Scale 1:5	Size A4	Page 1/1	Material ID 107.402.023.001	
Chkd				Design Group				Rev. A
Appd	03.07.2008 MPR002 Prstec			9710	Drawing ID 107.402.023			

CONFIDENTIAL - DIMENSIONAL DRAWING - Confidential



Ra50 /
SHARP EDGES REMOVED

h = (75 - 95 mm)
DEPENDING ON CHOCK THICKNESS,
TO BE DETERMINED BY SHIPYARD

Free space for lic.								Q-Code XXXXXX	Main Drw.		
								Standard ISO; JIS			
Modif.	A	EAAD089996	22.10.2018								
	Number	Drawn date		Number	Drawn date		Number	Drawn date			
WIN GD Winterthur Gas & Diesel			Product W-2S		FLAT BAR TO ENGINE SIDE STOPPER Flachstahl						
Units	mm kg	NX		Basic Material W-FU-235-JR				Net Weight 4,6			
Made	02.07.2008 M.PRSTEC			Scale	1:2	Size	A3	Page	1/1	Material ID	107.402.024.001
Chkd				Design Group 9710		Drawing ID		107.402.024		Rev. A	
Appd	03.07.2008 MPR002 Prstec										

	1	2	3	4																								
A	SURFACE PROTECTION SEE GROUP 03/44																											
B	TOLERANCING PRINCIPLE ISO8015																											
	GENERAL TOLERANCES ACCORDING TO ISO2768-mK																											
	A Ra6.3 SHARP EDGES REMOVED																											
C	(40,5) 1:100 450 45 25																											
D																												
	Approved																											
F	Copyright Winterthur Gas & Diesel Ltd. All rights reserved. By taking possession of the drawing the recipient recognizes and honours these rights. Neither the whole nor any part of this drawing may be used in any way for construction, fabrication, marketing or any other purpose nor copied in any way nor made accessible to third parties without the previous written consent of Winterthur Gas & Diesel Ltd. Free space for lic. Q-Code XXXXXX Standard ISO; JIS Main Drw.																											
	<table><tr><td>Modif.</td><td>A</td><td>EAAD088473</td><td>17.10.2017</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td>Number</td><td>Drawn date</td><td></td><td>Number</td><td>Drawn date</td><td></td><td>Number</td><td>Drawn date</td><td></td><td>Number</td></tr></table>				Modif.	A	EAAD088473	17.10.2017											Number	Drawn date		Number	Drawn date		Number	Drawn date		Number
Modif.	A	EAAD088473	17.10.2017																									
		Number	Drawn date		Number	Drawn date		Number	Drawn date		Number																	
	WIN G&D Winterthur Gas & Diesel		Product W-2S		WEDGE Schraeger Keil																							
F	Units mm kg NX				Basic Material W-FU-235-JR				Net Weight 3,8																			
	Made 16.01.2002 S.STYLIANOU		Scale 1:5		Size A4		Page 1/1		Material 107.325.275.001																			
	Chkd		Design Group 9710		Drawing ID 107.325.275				Rev. A																			
	Appd 31.01.2002 SNA001																											
	1	2	3	4																								

MIDS - WinGD-RT-flex50-D/DF – Engine Seating Foundation (DG9710)

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2017-02-24	DRAWING SET	First web upload
2019-07-19	107.426.720 107.401.665 107.426.721 107.401.666 107.401.666 107.401.667 107.426.723 107.401.668	Assembly drgs – new revision
	107.402.028 107.402.024 DAAD112248	Engine side stopper drgs – new revision/new drg
2020-09-08	107.398.394 107.401.786 107.344.725 107.345.876 107.401.785 107.401.787 107.246.051 107.343.352 107.401.838 107.367.119 107.401.836 107.401.837 107.402.023 107.402.024 107.325.275	System drgs – new revisions

DISCLAIMER

© Copyright by Winterthur Gas & Diesel Ltd.

All rights reserved. No part of this document may be reproduced or copied in any form or by any means (electronic, mechanical, graphic, photocopying, recording, taping or other information retrieval systems) without the prior written permission of the copyright owner.

THIS PUBLICATION IS DESIGNED TO PROVIDE AN ACCURATE AND AUTHORITATIVE INFORMATION WITH REGARD TO THE SUBJECT-MATTER COVERED AS WAS AVAILABLE AT THE TIME OF PRINTING. HOWEVER, THE PUBLICATION DEALS WITH COMPLICATED TECHNICAL MATTERS SUITED ONLY FOR SPECIALISTS IN THE AREA, AND THE DESIGN OF THE SUBJECT-PRODUCTS IS SUBJECT TO REGULAR IMPROVEMENTS, MODIFICATIONS AND CHANGES. CONSEQUENTLY, THE PUBLISHER AND COPYRIGHT OWNER OF THIS PUBLICATION CAN NOT ACCEPT ANY RESPONSIBILITY OR LIABILITY FOR ANY EVENTUAL ERRORS OR OMISSIONS IN THIS BOOKLET OR FOR DISCREPANCIES ARISING FROM THE FEATURES OF ANY ACTUAL ITEM IN THE RESPECTIVE PRODUCT BEING DIFFERENT FROM THOSE SHOWN IN THIS PUBLICATION. THE PUBLISHER AND COPYRIGHT OWNER SHALL UNDER NO CIRCUMSTANCES BE HELD LIABLE FOR ANY FINANCIAL CONSEQUENTIAL DAMAGES OR OTHER LOSS, OR ANY OTHER DAMAGE OR INJURY, SUFFERED BY ANY PARTY MAKING USE OF THIS PUBLICATION OR THE INFORMATION CONTAINED HEREIN.