

Heavy load drive shafts

Survey of the standard possibilities - more types and special design on request

The right type of heavy load drive shaft has to be sized ! Therefore needed: $M_d / n / \beta$ in use and maximum.

Series	Type	Md-Catalogue torque in Nm	Md-Maximum torque in Nm	Angle β	Possible Flanges	Form of Flange see attachment	Length S min	Length- extension X	Remarks
3102	Tubular type version	28.000	36.000	max. 22°	250 mm 8 holes/18 mm	3	795	110	<i>S = minimum length, above you can choose the length in steps of 5 mm.</i>
					285 mm 8 holes/20 mm	3			
					250 mm 8 holes/19 mm	11			
					Reversing fatigue torque of series 3102 = 12.600 Nm				
				cross-serrated	200 mm 4 holes/15 mm	10	780	110	
3102	Short type version	28.000	36.000	max. 22°	250 mm 8 holes/18 mm	3	650 - 770	80 - 110	<i>The length of a short type version you can choose in steps of 5 mm in the given range.</i>
					285 mm 8 holes/20 mm	3			
					250 mm 8 holes/19 mm	11			
					225 mm 8 holes/16 mm	3			
				cross-serrated	200 mm 4 holes/15 mm	10	635 - 755	80 - 110	
1102	Fixed version	28.000	36.000	max. 22°	250 mm 8 holes/18 mm	3	560	---	<i>Fixed, without extension</i>
					285 mm 8 holes/20 mm	3			
					250 mm 8 holes/19 mm	11			
					225 mm 8 holes/16 mm	3			
				cross-serrated	200 mm 4 holes/15 mm	10	546	---	<i>S = minimum length, above you can choose the length in steps of 5 mm.</i>
3104	Tubular type version	32.000	42.000	max. 18°	250 mm 8 holes/18 mm	3	900	140	<i>S = minimum length, above you can choose the length in steps of 5 mm.</i>
					225 mm 8 holes/16 mm	3			
					250 mm 8 holes/19 mm	11			
					Reversing fatigue torque of series 3104 = 14.400 Nm				
					250 mm 8 holes/18 mm	13			
3104	Short type version	32.000	42.000	max. 18°	250 mm 8 holes/18 mm	3	650 - 895	40 - 140	<i>The length of a short type version you can choose in steps of 5 mm in the given range.</i>
					225 mm 8 holes/16 mm	3			
					250 mm 8 holes/19 mm	11			
					225 mm 8 holes/17 mm	11			
					250 mm 8 holes/18 mm	13			
1104	Fixed version	32.000	42.000	max. 18°	250 mm 8 holes/18 mm	3	570	---	<i>Fixed, without extension</i>
					225 mm 8 holes/16 mm	3			
					250 mm 8 holes/19 mm	11			
					225 mm 8 holes/17 mm	11			
					250 mm 8 holes/18 mm	13			<i>S = minimum length, above you can choose the length in steps of 5 mm.</i>

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Series	Type	Md-Catalogue torque in Nm	Md-Maximum torque in Nm	Angle β	Possible Flanges	Form of Flange see attachment	Length S min	Length- extension X	Remarks		
3106	Tubular type version	40.000	52.000	max. 18°	250 mm 8 holes/18 mm	3	855	140	<i>S = minimum length, above you can choose the length in steps of 5 mm.</i>		
					285 mm 8 holes/20 mm	3					
					250 mm 8 holes/19 mm	11					
					Reversing fatigue torque of series 3106 = 18.000 Nm					225 mm 8 holes/17 mm	11
						250 mm 8 holes/18 mm				13	
3106	Short type version	40.000	52.000	max. 18°	250 mm 8 holes/18 mm	3	620 - 850	40 - 70	<i>The length of a short type version you can choose in steps of 5 mm in the given range.</i>		
					285 mm 8 holes/20 mm	3					
					250 mm 8 holes/19 mm	11					
					225 mm 8 holes/17 mm	11					
					250 mm 8 holes/18 mm	13					
1106	Fixed version	40.000	52.000	max. 18°	250 mm 8 holes/18 mm	3	545	---	<i>Fixed, without extension</i>		
					250 mm 8 holes/19 mm	11					
					225 mm 8 holes/17 mm	11					
					250 mm 8 holes/18 mm	13					
					285 mm 8 holes/20 mm	3					
3115	Tubular type version	50.000	65.000	max. 15°	285 mm 8 holes/20 mm	3	935	140	<i>S = minimum length, above you can choose the length in steps of 5 mm.</i>		
					250 mm 8 holes/18 mm	3					
					285 mm 8 holes/21 mm	11					
					Reversing fatigue torque of series 3115 = 22.500 Nm					250 mm 8 holes/19 mm	11
						285 mm 8 holes/20 mm				13	
3115	Short type version	50.000	65.000	max. 15°	285 mm 8 holes/20 mm	3	800 - 930	45 - 110	<i>The length of a short type version you can choose in steps of 5 mm in the given range.</i>		
					250 mm 8 holes/18 mm	3					
					285 mm 8 holes/21 mm	11					
					250 mm 8 holes/19 mm	11					
					285 mm 8 holes/20 mm	13					
1115	Fixed version	50.000	65.000	max. 15°	285 mm 8 holes/20 mm	3	625	---	<i>Fixed, without extension</i>		
					250 mm 8 holes/18 mm	3					
					285 mm 8 holes/21 mm	11					
					250 mm 8 holes/19 mm	11					
					285 mm 8 holes/20 mm	13					

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Die Unternehmen der Elbe Group

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Series	Type	Md-Catalogue torque in Nm	Md-Maximum torque in Nm	Angle β	Possible Flanges	Form of Flange see attachment	Length S min	Length-extension X	Remarks	
3124	Tubular type version	80.000	104.000	max. 24°	315 mm 8 holes/22 mm	3	1150	140	<i>S = minimum length, above you can choose the length in steps of 5 mm.</i>	
					285 mm 8 holes/20 mm	3				
					315 mm 10 holes/23 mm	11				
					285 mm 8 holes/21 mm	11				
Reversing fatigue torque of series 3124 = 36.000 Nm										
3124	Short type version	80.000	104.000	max. 15 / 24°	315 mm 8 holes/22 mm	3	745 - 1095	60 - 140	<i>The length of a short type version you can choose in steps of 5 mm in the given range.</i>	
					285 mm 8 holes/20 mm	3				
					315 mm 10 holes/23 mm	11				
					285 mm 8 holes/21 mm	11				
1124	Fixed version	80.000	104.000	max. 24°	315 mm 8 holes/22 mm	3	690	---	<i>Fixed, without extension</i>	
					285 mm 8 holes/20 mm	3				
					315 mm 10 holes/23 mm	11				
					285 mm 8 holes/21 mm	11				
3135	Tubular type version	110.000	143.000	max. 15°	350 mm 10 holes/22 mm	4	1235	140	<i>S = minimum length, above you can choose the length in steps of 5 mm.</i>	
					350 mm 10 holes/23 mm	12				
					315 mm 10 holes/23 mm	12				
					Reversing fatigue torque of series 3135 = 50.000 Nm					
					350 mm 10 holes/22 mm	14				
3135	Short type version	110.000	143.000	max. 15°	350 mm 10 holes/22 mm	4	980 - 1230	90 - 140	<i>The length of a short type version you can choose in steps of 5 mm in the given range.</i>	
					350 mm 10 holes/23 mm	12				
					315 mm 10 holes/23 mm	12				
					350 mm 10 holes/23 mm	12				
					350 mm 10 holes/22 mm	14				
1135	Fixed version	110.000	143.000	max. 15°	350 mm 10 holes/22 mm	4	835	---	<i>Fixed, without extension</i>	
					350 mm 10 holes/23 mm	12				
					315 mm 10 holes/23 mm	12				
					350 mm 10 holes/23 mm	12				
					350 mm 10 holes/22 mm	14				

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Series	Type	Md-Catalogue torque in Nm	Md-Maximum torque in Nm	Angle β	Possible Flanges	Form of Flange see attachment	Length S min	Length-extension X	Remarks			
3140	Tubular type version	110.000	143.000	max. 15°	350 mm 10 holes/22 mm	4	1275	170	<i>S = minimum length, above you can choose the length in steps of 5 mm.</i>			
					315 mm 8 holes/22 mm	3						
					350 mm 10 holes/23 mm	12						
					315 mm 10 holes/23 mm	12						
Reversing fatigue torque of series 3140 = 50.000 Nm												
3140	Short type version	110.000	143.000	max. 10°	350 mm 10 holes/22 mm	4	875 - 975	60	<i>The length of a short type version you can choose in steps of 5 mm in the given range.</i>			
					315 mm 8 holes/22 mm	3						
					350 mm 10 holes/23 mm	12						
					315 mm 10 holes/23 mm	12						
3145	Tubular type version	175.000	225.000	max. 20°	390 mm 10 holes/24 mm	4	1720	170	<i>S = minimum length, above you can choose the length in steps of 5 mm.</i>			
					435 mm 10 holes/27 mm	4						
					350 mm 10 holes/22 mm	4						
					Reversing fatigue torque of series 3145 = 80.000 Nm							
					390 mm 10 holes/25 mm	12						
					350 mm 10 holes/23 mm	12						
3145	Short type version	175.000	225.000	max. 20°	390 mm 10 holes/24 mm	4	1400 - 1715	90 - 170	<i>The length of a short type version you can choose in steps of 5 mm in the given range.</i>			
					435 mm 10 holes/27 mm	4						
					350 mm 10 holes/22 mm	4						
					390 mm 10 holes/25 mm	12						
					350 mm 10 holes/23 mm	12						
					435 mm 16 holes/28 mm	15						
1145	Fixed version	175.000	225.000	max. 20°	390 mm 10 holes/24 mm	4	1145	---	<i>Fixed, without extension</i>			
					435 mm 10 holes/27 mm	4						
					350 mm 10 holes/22 mm	4						
					390 mm 10 holes/25 mm	12						
					350 mm 10 holes/23 mm	12						
					435 mm 16 holes/28 mm	15						

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Survey of the standard flange hole pattern (series 3102 to 3145) - Please see also column "Form of Flange"

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