

Specification for ball blank dimensions

Size and accuracy requirements of hot rolled balls

Nominal diameter of steel ball		Datum dimension	Bar diameter	Size range		Spherical deviation	Grains per ton	remarks
in	mm			min	max			
25/32	19.8438	21.0	20	20.8	21.8	0.5	25500	
13/16	20.6375	21.8	21	21.6	22.6		22800	
7/8	22.225	23.4	22.4	23.2	24.2		18500	
15/16	23.8125	25.2	24	25	26		14800	
	24	25.2	24	25	26		14800	
1	25.4	26.7	25.5	26.5	27.5		12500	
1-1/16	26.9875	28.3	27.2	28.3	29.3		10500	
1-1/8	28.575	30.2	28.8	30	31		8700	

8	1-11/16	42.8625	44.9	32(34)	44.7	45.5		2597	
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■ 42.8625

7		66.675	69.7	50	69.3	69.9		713	
8		69.85	73.0	50 51.3,55	72.6	73.8		615	
9		70	73.0	50 51.3,55	72.6	73.8		615	
		70	72.5	50 51.3,55	72.1	73.3		629	
10		75	78.0	55 51.3,50	77.6	78.8		508	
11	3	76.2	79.2	55 51.3,50	78.8	80		482	
		76.2	78.7	55 51.3,50	78.3	79.5		492	
12		80	83	55 60	82.6	83.8		422	
		80	82.5	55 60	82.1	83.3		432	
13		82.55	86	60(55)	85.6	86.8		385	

Weight of single pellet: m

The number of blank balls per ton is received according to the standard quantity, and the allowable quantity deviation is implemented according to the table above.