

螺旋锥齿轮 SPIRAL BEVEL GEARS

模数
MODULE

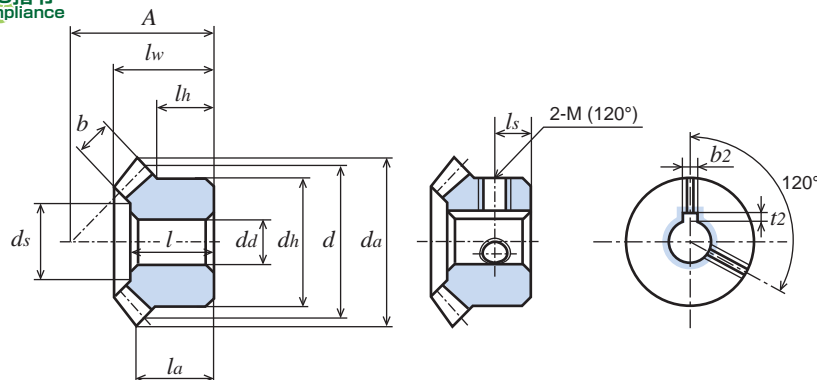
1.5

压力角20° 齿数比1:2、1:3 螺旋角35°
1:2 and 1:3 Ratio 20° PRESSURE ANGLE 35° SPIRAL ANGLE

JIS B1704 3级 (齿部高频淬火产品: 4级)
System of Accuracy: JIS B 1704 Class 3
(Induction hardened products: Class 4)



已进行规格改进, 无需进行紧固加工。
Additional machining on tightening is not necessary.



ISO C45 机械构造用碳素钢 (JIS G 4051) Material: Carbon Steel (ISO C45)

单位: mm
Dimensions: mm

产品型号 Catalogue Number	齿数比 Ratio <i>u</i>	齿数 Number of Teeth <i>z</i>	分度圆直径 Reference Diameter <i>d</i>	齿顶圆直径 Tip Diameter <i>da</i>	装配距离 Locating Distance <i>A</i>	孔径 Bore Diameter <i>dd(H7)</i>	轮毂外径 Hub Diameter <i>dh</i>	轮毂长度 Hub Projection <i>lh</i>	穴长度 Bore Length <i>l</i>	全长 Overall Length <i>lw</i>	Tip Distance <i>la</i>	齿宽 Face Width <i>b</i>	键槽 Key Way <i>b2 × t2</i>	螺纹孔 Set Screw		顶锥角 Face Angle <i>δa</i>	<i>ds</i>	重量 Weight <i>W(g)</i>
														2-M	<i>ls</i>			
B1.5S 18L - 8	2	18	φ27	φ30.09	40.74	φ8	φ22	12.49	21	22.96	14.51	9.8	-	-	-	30°44'	φ12.2	59.6
B1.5S 18L - 8H	2	18	φ27	φ30.09	40.74	φ8 (H8)	φ22	12.49	21	22.96	14.51	9.8	-	-	-	30°44'	φ12.2	59.6
B1.5S 18L # 10H	2	18	φ27	φ30.09	40.74	φ10 (H8)	φ22	12.49	21	22.96	14.51	9.8	3 × 1.4	2-M4	6.5	30°44'	φ12.2	54.2
B1.5S 36R - 10	2	36	φ54	φ54.76	26.75	φ10	φ30	9	15.5	18.01	14.01	9.8	-	-	-	65°57'	φ34.3	143.0
B1.5S 36R - 10H	2	36	φ54	φ54.76	26.75	φ10 (H8)	φ30	9	15.5	18.01	14.01	9.8	-	-	-	65°57'	φ34.3	143.0
B1.5S 36R # 15H	2	36	φ54	φ54.76	26.75	φ15 (H8)	φ30	9	15.5	18.01	14.01	9.8	5 × 2.3	2-M4	4.5	65°57'	φ34.3	130.6
B1.5S 15L - 8	3	15	φ22.5	φ25.99	46	φ8	φ19.5	11.75	21.1	22.19	12.83	10.1	-	-	-	22°28'	φ11.7	41.9
B1.5S 15L - 8H	3	15	φ22.5	φ25.99	46	φ8 (H8)	φ19.5	11.75	21.1	22.19	12.83	10.1	-	-	-	22°28'	φ11.7	41.9
B1.5S 45R - 12	3	45	φ67.5	φ68.01	30	φ12	φ37.5	12	19.4	22.31	19.51	10.1	-	-	-	73°56'	φ46.6	283.0
B1.5S 45R - 12H	3	45	φ67.5	φ68.01	30	φ12 (H8)	φ37.5	12	19.4	22.31	19.51	10.1	-	-	-	73°56'	φ46.6	283.0

产品型号末尾的[H]表示齿部高频淬火过的产品。硬度为HRC47 ~ 53。[H]: Gear tooth surface completed with induction hardening, Hardness HRC 47 to 53.
标号[#]表示齿轮带有键槽/带有键, 带有螺纹孔/带有固定螺钉。[#]: Gear with key way and threaded hole / with key and screw.

	齿数比 Ratio	导程角 Pitch Angle		轴角 Shaft Angle
等径锥齿轮 Miter gear	1:1	45°		90°
锥齿轮 Bevel gear	1:2	小齿轮 Pinion Gear	26° 34' 63° 26'	90°
	1:3	小齿轮 Pinion Gear	18° 26' 71° 34'	90°

容许传达动力表 弯曲强度 (W)

Allowable transfer capability table (W) Bending Strength

产品型号 Catalogue Numbers	旋转速度 (min ⁻¹) revolution/min						
	300	600	900	1,200	1,500	1,800	2,000
B1.5S 18L - 8	149.1	298.3	430.0	540.3	638.6	726.7	780.6
B1.5S 18L - 8H	130.2	260.4	377.8	479.2	571.2	654.9	706.8
B1.5S 15L - 8	126.2	252.5	375.3	475.5	566.1	648.5	699.4
B1.5S 15L - 8H	110.2	220.4	328.2	419.2	502.9	580.1	628.3

The above references are JGMA standard.

动力换算公式请确认第26页。Please refer to the conversion formulas of power on page26.

容许传达动力表 齿面强度 (W)

Allowable transfer capability table (W) Surface Durability

旋转速度 (min ⁻¹) revolution/min							
300	600	900	1,200	1,500	1,800	2,000	
23.5	47.4	69.0	87.5	104.5	120.3	130.2	
63.9	131.8	194.6	232.5	300.9	347.8	377.1	
17.8	36.0	53.9	68.9	82.6	95.5	103.6	
48.7	100.5	152.4	197.1	238.5	277.7	302.2	