



**Rapsodo<sup>®</sup>**

**BASEBALL PITCHING AVERAGES BY AGE**

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Rapsodo is trusted by scouts and recruits for player development and we are on a mission to help athletes reach their full potential. To that end, we have analyzed the data for more than 35 million hits and pitches collected by Rapsodo Baseball technology. We have taken the data and created a Baseball Pitching Averages by Age Guide. This guide provides a player development pathway for baseball players from ages 10 to professional. Baseball players can see how they stack up against their peers and can get on track to take their game to the next level!

**125K**

Players

**30**

MLB Teams

**90%**

Of DI Baseball  
Champions

**85%**

Of DI Baseball  
Teams

**measure to master.**

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## AVERAGES: 10 YEAR OLDS

A "-" indicates that there is no data for this pitch type as the pitcher is too young to throw that particular pitch

● Four-seam ● Cutter ● Curveball ● Slider ● Two-seam ● Changeup ● Splitter ● Knuckleball

SPEED (MPH)			
RHP	54	LHP	54
RHP	-	LHP	-
RHP	59	LHP	57
RHP	55	LHP	60
RHP	56	LHP	58
RHP	53	LHP	52
RHP	-	LHP	-
RHP	-	LHP	-

SPIN RATE (RPM)			
RHP	1368	LHP	1269
RHP	-	LHP	-
RHP	1693	LHP	1502
RHP	1255	LHP	1549
RHP	1271	LHP	1355
RHP	1115	LHP	1106
RHP	-	LHP	-
RHP	-	LHP	-

SPIN EFFICIENCY (%)			
RHP	89	LHP	87
RHP	-	LHP	-
RHP	49	LHP	46
RHP	69	LHP	44
RHP	83	LHP	94
RHP	84	LHP	86
RHP	-	LHP	-
RHP	-	LHP	-

H. BREAK (in.)			
RHP	4.0	LHP	-3.0
RHP	-	LHP	-
RHP	0.3	LHP	-2.3
RHP	3.4	LHP	2.2
RHP	2.7	LHP	0.5
RHP	2.3	LHP	-3.4
RHP	-	LHP	-
RHP	-	LHP	-

V. BREAK (in.)			
RHP	11.6	LHP	8.4
RHP	-	LHP	-
RHP	3.3	LHP	3.3
RHP	4.8	LHP	3.5
RHP	10.7	LHP	12.8
RHP	6.9	LHP	13.4
RHP	-	LHP	-
RHP	-	LHP	-



**SPEED**  
53.2 MPH

**SPIN**  
1283 RPM

**TRUE SPIN**  
1239 RPM

**SPIN EFFICIENCY**  
96%

**H. & V. BREAK (in)**  
-13.1 / 14.3

**SPIN AXIS**  
10H : 34M

**PITCH TYPE & COUNT**  
FB 17

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## AVERAGES: 11 YEAR OLDS

A "-" indicates that there is no data for this pitch type as the pitcher is too young to throw that particular pitch

● Four-seam ● Cutter ● Curveball ● Slider ● Two-seam ● Changeup ● Splitter ● Knuckleball

SPEED (MPH)			
RHP	61	LHP	60
RHP	-	LHP	-
RHP	59	LHP	55
RHP	62	LHP	61
RHP	60	LHP	59
RHP	57	LHP	57
RHP	-	LHP	-
RHP	-	LHP	-

SPIN RATE (RPM)			
RHP	1514	LHP	1480
RHP	-	LHP	-
RHP	1701	LHP	1659
RHP	1832	LHP	1760
RHP	1466	LHP	1361
RHP	1296	LHP	1261
RHP	-	LHP	-
RHP	-	LHP	-

SPIN EFFICIENCY (%)			
RHP	88	LHP	89
RHP	-	LHP	-
RHP	60	LHP	51
RHP	50	LHP	38
RHP	87	LHP	87
RHP	86	LHP	86
RHP	-	LHP	-
RHP	-	LHP	-

H. BREAK (in.)			
RHP	5.0	LHP	-5.1
RHP	-	LHP	-
RHP	-0.8	LHP	5.8
RHP	1.3	LHP	1.0
RHP	6.7	LHP	-3.5
RHP	3.4	LHP	-6.0
RHP	-	LHP	-
RHP	-	LHP	-

V. BREAK (in.)			
RHP	11.2	LHP	12.0
RHP	-	LHP	-
RHP	5.5	LHP	3.9
RHP	5.0	LHP	3.2
RHP	9.4	LHP	7.8
RHP	8.4	LHP	11.1
RHP	-	LHP	-
RHP	-	LHP	-



**SPEED**  
56.6 MPH

**SPIN**  
1489 RPM

**TRUE SPIN**  
1153 RPM

**SPIN EFFICIENCY**  
77%

**H. & V. BREAK (in)**  
9.4 / 11.3

**SPIN AXIS**  
1H : 22M

**PITCH TYPE & COUNT**  
FB 12

**measure to master.**

## AVERAGES: 12 YEAR OLDS

A "-" indicates that there is no data for this pitch type as the pitcher is too young to throw that particular pitch

● Four-seam ● Cutter ● Curveball ● Slider ● Two-seam ● Changeup ● Splitter ● Knuckleball

SPEED (MPH)			
RHP	63	LHP	62
RHP	-	LHP	-
RHP	56	LHP	56
RHP	60	LHP	59
RHP	61	LHP	63
RHP	57	LHP	59
RHP	-	LHP	-
RHP	-	LHP	-

SPIN RATE (RPM)			
RHP	1588	LHP	1555
RHP	-	LHP	-
RHP	1540	LHP	1572
RHP	1695	LHP	1583
RHP	1505	LHP	1609
RHP	1287	LHP	1309
RHP	-	LHP	-
RHP	-	LHP	-

SPIN EFFICIENCY (%)			
RHP	89	LHP	87
RHP	-	LHP	-
RHP	59	LHP	54
RHP	52	LHP	46
RHP	87	LHP	89
RHP	85	LHP	86
RHP	-	LHP	-
RHP	-	LHP	-

H. BREAK (in.)			
RHP	6.1	LHP	-5.5
RHP	-	LHP	-
RHP	-0.8	LHP	1.6
RHP	0.9	LHP	0.7
RHP	5.5	LHP	-8.5
RHP	5.2	LHP	-
RHP	-	LHP	-
RHP	-	LHP	-

V. BREAK (in.)			
RHP	12.0	LHP	13.2
RHP	-	LHP	-
RHP	4.1	LHP	4.0
RHP	8.1	LHP	4.9
RHP	12.7	LHP	14.9
RHP	10.2	LHP	14.4
RHP	-	LHP	-
RHP	-	LHP	-



**SPEED**  
57.9 MPH

**SPIN**  
1389 RPM

**TRUE SPIN**  
1307 RPM

**SPIN EFFICIENCY**  
94%

**H. & V. BREAK (in)**  
10.1 / 12.7

**SPIN AXIS**  
1H : 20M

**PITCH TYPE & COUNT**  
FB 6

**measure to master.**

## AVERAGES: 13 YEAR OLDS

● Four-seam ● Cutter ● Curveball ● Slider ● Two-seam ● Changeup ● Splitter ● Knuckleball

SPEED (MPH)			
RHP	67	LHP	67
RHP	64	LHP	62
RHP	58	LHP	59
RHP	61	LHP	62
RHP	66	LHP	66
RHP	61	LHP	62
RHP	66	LHP	62
RHP	57	LHP	55

SPIN RATE (RPM)			
RHP	1674	LHP	1696
RHP	1695	LHP	1653
RHP	1663	LHP	1727
RHP	1707	LHP	1685
RHP	1591	LHP	1656
RHP	1367	LHP	1403
RHP	1212	LHP	1632
RHP	823	LHP	753

SPIN EFFICIENCY (%)			
RHP	90	LHP	88
RHP	67	LHP	61
RHP	59	LHP	55
RHP	51	LHP	52
RHP	89	LHP	88
RHP	88	LHP	85
RHP	84	LHP	94
RHP	77	LHP	83

H. BREAK (In.)			
RHP	7.9	LHP	-5.8
RHP	2.1	LHP	0.1
RHP	-2.4	LHP	2.0
RHP	-0.1	LHP	2.8
RHP	7.7	LHP	-6.6
RHP	7.1	LHP	-6.1
RHP	7.7	LHP	4.5
RHP	2.5	LHP	-0.7

V. BREAK (In.)			
RHP	13.7	LHP	12.7
RHP	4.2	LHP	11.1
RHP	1.6	LHP	3.7
RHP	3.1	LHP	3.1
RHP	12.7	LHP	14.5
RHP	10.6	LHP	11.6
RHP	9.7	LHP	12.3
RHP	7.7	LHP	7.5

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**SPEED**  
61.5 MPH

**SPIN**  
1480 RPM

**TRUE SPIN**  
1453 RPM

**SPIN EFFICIENCY**  
98%

**H. & V. BREAK (in)**  
7.3 / 18.6

**SPIN AXIS**  
0H : 42M

**PITCH TYPE & COUNT**  
FB 3

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"Rapsodo data has helped us create customized player development programs. We are able to assess player deficiencies, build personalized development plans, and track progress to maximize individual performance. Rapsodo provides our coaches and youth athletes with instant feedback so they can make immediate adjustments and see the results."

**Mark Gallion, St. Louis Gamers**



## AVERAGES: 14 YEAR OLDS

● Four-seam ● Cutter ● Curveball ● Slider ● Two-seam ● Changeup ● Splitter ● Knuckleball

SPEED (MPH)			
RHP	72	LHP	71
RHP	68	LHP	68
RHP	62	LHP	62
RHP	66	LHP	65
RHP	71	LHP	70
RHP	66	LHP	66
RHP	67	LHP	66
RHP	62	LHP	62

SPIN RATE (RPM)			
RHP	1795	LHP	1792
RHP	1861	LHP	1664
RHP	1775	LHP	1792
RHP	1820	LHP	1833
RHP	1741	LHP	1741
RHP	1479	LHP	1456
RHP	1163	LHP	1016
RHP	807	LHP	1045

SPIN EFFICIENCY (%)			
RHP	90	LHP	88
RHP	62	LHP	63
RHP	55	LHP	57
RHP	51	LHP	46
RHP	89	LHP	85
RHP	88	LHP	85
RHP	77	LHP	88
RHP	73	LHP	63

H. BREAK (In.)			
RHP	8.2	LHP	-5.4
RHP	0.6	LHP	-1.5
RHP	-2.8	LHP	3.8
RHP	-1.2	LHP	1.0
RHP	9.5	LHP	-6.7
RHP	8.0	LHP	-5.9
RHP	3.9	LHP	-3.4
RHP	1.0	LHP	-9.0

V. BREAK (In.)			
RHP	14.2	LHP	14.5
RHP	11.9	LHP	10.9
RHP	2.5	LHP	0.5
RHP	4.3	LHP	3.6
RHP	12.5	LHP	14.2
RHP	12.0	LHP	11.4
RHP	8.2	LHP	12.4
RHP	6.9	LHP	1.6



**SPEED**  
64.1 MPH

**SPIN**  
1817 RPM

**TRUE SPIN**  
701 RPM

**SPIN EFFICIENCY**  
38%

**H. & V. BREAK (in)**  
0.3 / 7.5

**SPIN AXIS**  
OH : 14M

**PITCH TYPE & COUNT**  
SL 16

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## AVERAGES: 15 YEAR OLDS

● Four-seam ● Cutter ● Curveball ● Slider ● Two-seam ● Changeup ● Splitter ● Knuckleball

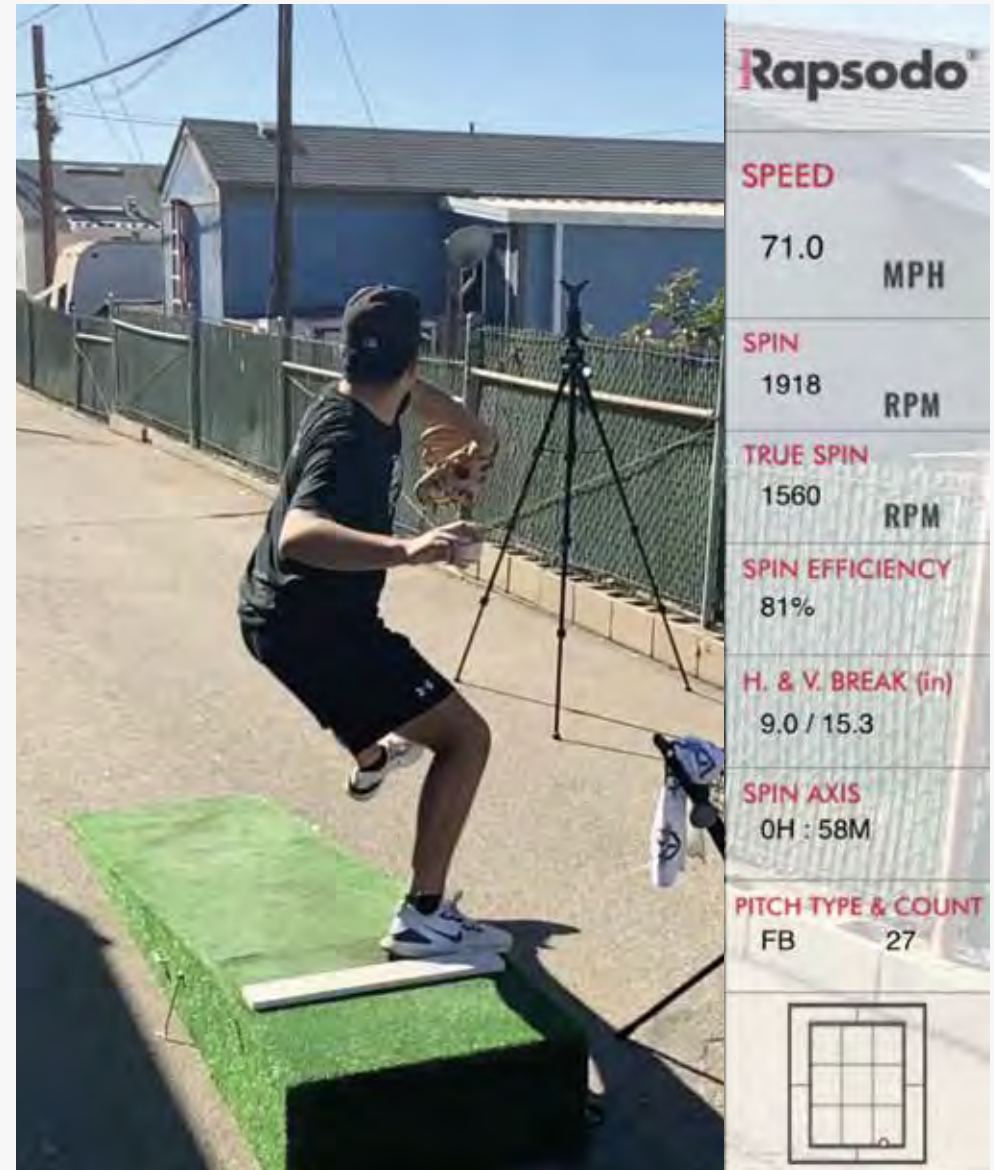
SPEED (MPH)			
RHP	76	LHP	75
RHP	71	LHP	71
RHP	65	LHP	65
RHP	68	LHP	67
RHP	75	LHP	74
RHP	70	LHP	69
RHP	69	LHP	69
RHP	63	LHP	58

SPIN RATE (RPM)			
RHP	1893	LHP	1865
RHP	1883	LHP	1839
RHP	1863	LHP	1833
RHP	1893	LHP	1836
RHP	1827	LHP	1803
RHP	1553	LHP	1543
RHP	1205	LHP	1169
RHP	901	LHP	757

SPIN EFFICIENCY (%)			
RHP	91	LHP	88
RHP	57	LHP	54
RHP	55	LHP	57
RHP	46	LHP	49
RHP	89	LHP	86
RHP	89	LHP	86
RHP	85	LHP	82
RHP	73	LHP	71

H. BREAK (in.)			
RHP	7.9	LHP	-5.3
RHP	2.3	LHP	1.6
RHP	-2.7	LHP	3.0
RHP	-0.9	LHP	0.7
RHP	9.8	LHP	-6.5
RHP	8.8	LHP	-6.5
RHP	6.4	LHP	-5.2
RHP	1.8	LHP	-0.8

V. BREAK (in.)			
RHP	15.2	LHP	15.0
RHP	9.6	LHP	8.7
RHP	1.8	LHP	1.9
RHP	4.3	LHP	4.4
RHP	13.9	LHP	13.6
RHP	12.2	LHP	14.2
RHP	8.9	LHP	13.7
RHP	2.2	LHP	-0.7



**SPEED**  
71.0 MPH

**SPIN**  
1918 RPM

**TRUE SPIN**  
1560 RPM

**SPIN EFFICIENCY**  
81%

**H. & V. BREAK (in)**  
9.0 / 15.3

**SPIN AXIS**  
0H : 58M

**PITCH TYPE & COUNT**  
FB 27

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## AVERAGES: 16 YEAR OLDS

● Four-seam ● Cutter ● Curveball ● Slider ● Two-seam ● Changeup ● Splitter ● Knuckleball

SPEED (MPH)			
RHP	79	LHP	78
RHP	73	LHP	73
RHP	68	LHP	67
RHP	71	LHP	69
RHP	78	LHP	76
RHP	72	LHP	71
RHP	71	LHP	70
RHP	66	LHP	64

SPIN RATE (RPM)			
RHP	1954	LHP	1924
RHP	1927	LHP	1978
RHP	1939	LHP	1892
RHP	1981	LHP	1882
RHP	1887	LHP	1846
RHP	1607	LHP	1577
RHP	1160	LHP	1125
RHP	929	LHP	770

SPIN EFFICIENCY (%)			
RHP	90	LHP	89
RHP	59	LHP	55
RHP	56	LHP	56
RHP	47	LHP	47
RHP	89	LHP	88
RHP	89	LHP	87
RHP	82	LHP	77
RHP	75	LHP	63

H. BREAK (in.)			
RHP	7.2	LHP	-5.7
RHP	1.3	LHP	-2.2
RHP	-3.0	LHP	2.6
RHP	-1.2	LHP	1.6
RHP	9.4	LHP	-8.2
RHP	8.2	LHP	-6.9
RHP	7.2	LHP	-2.8
RHP	3.4	LHP	0.1

V. BREAK (in.)			
RHP	15.7	LHP	15.8
RHP	10.5	LHP	11.3
RHP	0.8	LHP	2.2
RHP	4.0	LHP	2.9
RHP	13.6	LHP	14.9
RHP	12.2	LHP	13.0
RHP	9.1	LHP	12.1
RHP	6.1	LHP	13.0

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**SPEED**  
74.4 MPH

**SPIN**  
1800 RPM

**TRUE SPIN**  
1773 RPM

**SPIN EFFICIENCY**  
98%

**H. & V. BREAK (in)**  
10.6 / 16.2

**SPIN AXIS**  
1H : 4M

**PITCH TYPE & COUNT**  
FB 2

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## AVERAGES: 17 YEAR OLDS

● Four-seam ● Cutter ● Curveball ● Slider ● Two-seam ● Changeup ● Splitter ● Knuckleball

SPEED (MPH)			
RHP	81	LHP	80
RHP	76	LHP	76
RHP	70	LHP	69
RHP	73	LHP	72
RHP	80	LHP	79
RHP	75	LHP	74
RHP	73	LHP	73
RHP	68	LHP	70

SPIN RATE (RPM)			
RHP	2011	LHP	1963
RHP	2017	LHP	2001
RHP	2001	LHP	1967
RHP	2030	LHP	1978
RHP	1936	LHP	1907
RHP	1647	LHP	1605
RHP	1205	LHP	1244
RHP	842	LHP	1030

SPIN EFFICIENCY (%)			
RHP	90	LHP	89
RHP	59	LHP	58
RHP	57	LHP	57
RHP	46	LHP	44
RHP	89	LHP	87
RHP	89	LHP	87
RHP	82	LHP	84
RHP	75	LHP	71

H. BREAK (In.)			
RHP	6.8	LHP	-5.5
RHP	1.9	LHP	-1.1
RHP	-2.8	LHP	2.6
RHP	-1.3	LHP	1.57
RHP	8.2	LHP	-7.4
RHP	8.0	LHP	-6.7
RHP	5.6	LHP	-5.8
RHP	3.6	LHP	0.2

V. BREAK (In.)			
RHP	15.4	LHP	15.7
RHP	8.9	LHP	12.5
RHP	-0.5	LHP	0.8
RHP	3.9	LHP	4.0
RHP	13.3	LHP	14.3
RHP	12.1	LHP	12.1
RHP	9.7	LHP	10.6
RHP	5.1	LHP	10.7



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"The two pillars of our program at Michigan are recruiting and development and we try to back up everything our eyes tell us with the objective data Rapsodo provides, both with our current players and potential student-athletes. Rapsodo data has been critical to our recruiting efforts because it gives us a better glimpse into what the athletes we are watching online can do with the baseball."

**Chris Fetter, Pitching Coach, University of Michigan Baseball**

## AVERAGES: 18 YEAR OLDS

● Four-seam ● Cutter ● Curveball ● Slider ● Two-seam ● Changeup ● Splitter ● Knuckleball

SPEED (MPH)			
RHP	84	LHP	82
RHP	79	LHP	78
RHP	72	LHP	71
RHP	76	LHP	74
RHP	83	LHP	81
RHP	77	LHP	76
RHP	76	LHP	74
RHP	69	LHP	70

SPIN RATE (RPM)			
RHP	2049	LHP	2006
RHP	2075	LHP	1991
RHP	2048	LHP	1996
RHP	2078	LHP	2022
RHP	1979	LHP	1936
RHP	1678	LHP	1662
RHP	1295	LHP	1238
RHP	901	LHP	1189

SPIN EFFICIENCY (%)			
RHP	91	LHP	88
RHP	59	LHP	57
RHP	56	LHP	58
RHP	45	LHP	45
RHP	90	LHP	87
RHP	89	LHP	88
RHP	82	LHP	82
RHP	75	LHP	76

H. BREAK (in.)			
RHP	6.7	LHP	-5.5
RHP	1.4	LHP	-0.8
RHP	-2.5	LHP	3.2
RHP	-1.3	LHP	1.4
RHP	8.2	LHP	-7.2
RHP	7.8	LHP	-6.5
RHP	5.2	LHP	-3.6
RHP	2.0	LHP	-1.0

V. BREAK (in.)			
RHP	16.2	LHP	16.5
RHP	9.1	LHP	7.6
RHP	-0.4	LHP	0.8
RHP	3.7	LHP	4.1
RHP	13.6	LHP	15.3
RHP	11.6	LHP	12.5
RHP	10.8	LHP	8.0
RHP	3.2	LHP	3.9



**SPEED**  
78.4 MPH

**SPIN**  
1829 RPM

**TRUE SPIN**  
1731 RPM

**SPIN EFFICIENCY**  
94%

**H. & V. BREAK (in)**  
10.9 / 15.3

**SPIN AXIS**  
1H : 10M

**PITCH TYPE & COUNT**  
FB 2

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## AVERAGES: COLLEGE

● Four-seam ● Cutter ● Curveball ● Slider ● Two-seam ● Changeup ● Splitter ● Knuckleball

SPEED (MPH)			
RHP	85	LHP	83
RHP	79	LHP	79
RHP	73	LHP	72
RHP	76	LHP	75
RHP	84	LHP	82
RHP	78	LHP	77
RHP	77	LHP	75
RHP	68	LHP	70

SPIN RATE (RPM)			
RHP	2055	LHP	2005
RHP	2073	LHP	1988
RHP	2056	LHP	1995
RHP	2086	LHP	2036
RHP	1983	LHP	1933
RHP	1667	LHP	1629
RHP	1221	LHP	1295
RHP	795	LHP	989

SPIN EFFICIENCY (%)			
RHP	91	LHP	88
RHP	56	LHP	56
RHP	55	LHP	55
RHP	42	LHP	43
RHP	90	LHP	87
RHP	89	LHP	87
RHP	83	LHP	82
RHP	73	LHP	70

H. BREAK (In.)			
RHP	8.1	LHP	-7.3
RHP	1.8	LHP	-0.9
RHP	-2.7	LHP	3.1
RHP	-1.4	LHP	1.4
RHP	8.4	LHP	-7.6
RHP	8.8	LHP	-8.4
RHP	5.4	LHP	-4.5
RHP	2.8	LHP	-1.6

V. BREAK (In.)			
RHP	15.9	LHP	16.0
RHP	9.8	LHP	9.8
RHP	-0.9	LHP	-0.1
RHP	4.1	LHP	4.4
RHP	13.4	LHP	14.4
RHP	11.4	LHP	11.8
RHP	8.3	LHP	8.4
RHP	4.5	LHP	5.1



**SPEED**  
**91.3 MPH**

**SPIN**  
**2159 RPM**

**TRUE SPIN**  
**2157 RPM**

**SPIN EFFICIENCY**  
**99%**

**H. & V. BREAK (in)**  
**17.7 / 10.8**

**SPIN AXIS**  
**1H : 58M**

**PITCH TYPE & COUNT**  
**FB 21**

**measure to master.**

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## AVERAGES: PROS

● Four-seam ● Cutter ● Curveball ● Slider ● Two-seam ● Changeup ● Splitter ● Knuckleball

SPEED (MPH)			
RHP	89	LHP	88
RHP	85	LHP	83
RHP	77	LHP	75
RHP	81	LHP	80
RHP	87	LHP	86
RHP	82	LHP	80
RHP	81	LHP	80
RHP	68	LHP	76

SPIN RATE (RPM)			
RHP	2168	LHP	2143
RHP	2216	LHP	2133
RHP	2238	LHP	2199
RHP	2238	LHP	2202
RHP	2057	LHP	2046
RHP	1773	LHP	1719
RHP	1374	LHP	1421
RHP	899	LHP	1163

SPIN EFFICIENCY (%)			
RHP	93	LHP	91
RHP	63	LHP	62
RHP	59	LHP	63
RHP	42	LHP	44
RHP	91	LHP	89
RHP	91	LHP	90
RHP	86	LHP	85
RHP	68	LHP	61

H. BREAK (In.)			
RHP	8.7	LHP	-7.6
RHP	2.2	LHP	-2.8
RHP	-2.9	LHP	3.2
RHP	-1.0	LHP	1.3
RHP	9.9	LHP	-8.0
RHP	10.7	LHP	-9.0
RHP	8.4	LHP	-6.0
RHP	2.5	LHP	-4.6

V. BREAK (In.)			
RHP	16.0	LHP	16.4
RHP	11.0	LHP	11.1
RHP	-3.2	LHP	-3.1
RHP	4.7	LHP	4.7
RHP	12.5	LHP	13.6
RHP	10.6	LHP	11.5
RHP	8.7	LHP	9.8
RHP	3.9	LHP	8.7

**Velocity:** 94.3

**Release Side:** 1.6'

**Release Height:** 4.7'

**Spin Rate:** 2615

**True Spin:** 2366

**Spin Efficiency:** 90%

**Spin Direction:** 00:52

**Pitch Type:** FB

**Pitch Count:** 35

**Horizontal Break:** 8.6"

**Vertical Break:** 16.0"

**measure to master.**

"When it comes to player evaluation and scouting,  
Rapsodo data is a vital piece of our decision-making process."

**MLB Executive**





A "-" indicates that there is no data for this pitch type as the pitcher is too young to throw that particular pitch

● Four-seam Fastball ● Cutter ● Curveball ● Slider ● Two-seam Fastball ● Changeup ● Splitter ● Knuckleball

SPEED (MPH)																					
10		11		12		13		14		15		16		17		18		College		Pro	
54	56	61	60	63	61	67	66	72	71	76	75	79	78	81	80	84	83	85	84	89	87
-	53	-	57	-	57	64	61	68	66	71	70	73	72	76	75	79	77	79	78	85	82
59	-	59	-	56	-	58	66	62	67	65	69	68	71	70	73	72	76	73	77	77	81
55	-	62	-	60	-	61	57	66	62	68	63	71	66	73	68	76	69	76	68	81	68

SPIN RATE (RPM)																					
10		11		12		13		14		15		16		17		18		College		Pro	
1368	1271	1514	1466	1588	1505	1674	1591	1795	1741	1893	1827	1954	1887	2011	1936	2049	1979	2055	1983	2168	2057
-	1115	-	1296	-	1287	1695	1367	1861	1479	1883	1553	1927	1607	2017	1647	2075	1678	2073	1667	2216	1773
1693	-	1701	-	1540	-	1663	1212	1775	1163	1863	1205	1939	1160	2001	1205	2048	1295	2056	1221	2238	1374
1255	-	1832	-	1695	-	1707	823	1820	807	1893	901	1981	929	2030	842	2078	901	2086	795	2238	899

SPIN EFFICIENCY (%)																					
10		11		12		13		14		15		16		17		18		College		Pro	
89	83	88	87	89	87	90	89	90	89	91	89	90	89	90	89	91	90	91	90	93	91
-	84	-	86	-	85	67	88	62	88	57	89	59	89	59	89	59	89	56	89	63	91
49	-	60	-	59	-	59	84	55	77	55	85	56	82	57	82	56	82	55	83	59	86
69	-	50	-	52	-	51	77	51	73	46	73	47	75	46	75	45	75	42	73	42	68

H. BREAK (In.)																					
10		11		12		13		14		15		16		17		18		College		Pro	
4.0	2.7	5.0	6.7	6.1	5.5	7.9	77	8.2	9.5	7.9	9.8	72	9.4	6.8	8.2	6.7	8.2	8.1	8.4	8.7	9.9
-	2.3	-	3.4	-	5.2	2.1	71	0.6	8.0	2.3	8.8	1.3	8.2	1.9	8.0	1.4	7.8	1.8	8.8	2.2	10.7
0.3	-	-0.8	-	-0.8	-	-2.4	77	-2.8	3.9	-2.7	6.4	-3.0	7.2	-2.8	5.6	-2.5	5.2	-2.7	5.4	-2.9	8.4
3.4	-	1.3	-	0.9	-	-0.1	2.5	-1.2	1.0	-0.9	1.8	-1.2	3.4	-1.3	3.6	-1.3	2.0	-1.4	2.8	-1.0	2.5

V. BREAK (In.)																					
10		11		12		13		14		15		16		17		18		College		Pro	
11.6	10.6	11.2	9.4	12.0	12.7	13.7	12.7	14.2	12.5	15.2	13.9	15.7	13.6	15.4	13.3	16.2	13.6	15.9	13.4	16.0	12.5
-	6.9	-	8.4	-	10.2	4.2	10.6	11.9	12.0	9.6	12.2	10.5	12.2	8.9	12.1	9.1	11.6	9.8	11.4	11.0	10.6
3.3	-	5.5	-	4.1	-	1.6	9.7	2.5	8.2	1.8	8.9	0.8	9.1	-0.5	9.7	-0.4	10.8	-0.9	8.3	-3.2	8.7
4.8	-	5.0	-	5.1	-	3.1	77	4.3	6.9	4.3	2.2	4.0	6.1	3.9	5.1	3.7	3.2	4.1	4.5	4.7	3.9

A "-" indicates that there is no data for this pitch type as the pitcher is too young to throw that particular pitch

● Four-seam Fastball ● Cutter ● Curveball ● Slider ● Two-seam Fastball ● Changeup ● Splitter ● Knuckleball

SPEED (MPH)																					
10		11		12		13		14		15		16		17		18		College		Pro	
54	58	60	59	62	63	67	66	71	70	75	74	78	76	80	79	82	81	83	82	88	86
-	52	-	57	-	59	62	62	68	66	71	69	73	71	76	74	78	76	79	77	83	80
57	-	55	-	56	-	59	62	62	66	65	69	67	70	69	73	71	74	72	75	75	80
60	-	61	-	59	-	62	55	65	62	67	58	69	64	72	70	74	70	75	70	80	76

SPIN RATE (RPM)																					
10		11		12		13		14		15		16		17		18		College		Pro	
1269	1355	1480	1361	1555	1609	1696	1656	1792	1741	1865	1803	1924	1846	1963	1907	2006	1936	2005	1933	2143	2046
-	1106	-	1261	-	1309	1653	1403	1664	1456	1839	1543	1978	1577	2001	1605	1991	1662	1988	1629	2133	1719
1502	-	1659	-	1572	-	1727	1632	1792	1016	1833	1169	1892	1125	1967	1244	1996	1238	1995	1295	2199	1421
1549	-	1760	-	1583	-	1685	753	1833	1045	1836	757	1882	770	1978	1030	2022	1189	2036	989	2202	1163

SPIN EFFICIENCY (%)																					
10		11		12		13		14		15		16		17		18		College		Pro	
87	94	89	87	87	89	88	88	88	85	88	86	89	88	89	87	88	87	88	87	91	89
-	86	-	86	-	86	61	85	63	85	54	86	55	87	58	87	57	88	56	87	62	90
46	-	51	-	54	-	55	94	57	88	57	82	56	77	57	84	58	82	55	82	63	85
44	-	38	-	46	-	52	83	46	63	49	71	47	63	44	71	45	76	43	70	44	61

H. BREAK (In.)																					
10		11		12		13		14		15		16		17		18		College		Pro	
-3.0	0.5	-5.1	-3.5	-5.5	-8.5	-5.8	-6.6	-5.4	-6.7	-5.3	-6.5	-5.7	-8.2	-5.5	-7.4	-5.5	-7.2	-7.3	-7.6	-7.6	-8.0
-	-3.4	-	-6.0	-	-4.5	0.1	-6.1	-1.5	-5.9	-6.5	-6.5	-2.2	-6.9	-1.1	-6.7	-0.8	-6.5	-0.9	-8.4	-2.8	-9.0
-2.3	-	5.8	-	1.6	-	2.0	4.5	3.8	-3.4	3.0	-5.2	2.6	-2.8	2.6	-5.8	3.2	-3.6	3.1	-4.5	3.2	-6.0
2.2	-	1.0	-	0.7	-	2.8	-0.7	1.0	-9.0	0.7	-0.8	1.6	0.1	1.5	0.2	1.4	-1.0	1.4	-1.6	1.3	-4.6

V. BREAK (In.)																					
10		11		12		13		14		15		16		17		18		College		Pro	
8.4	12.8	12.0	3.9	13.2	14.9	12.7	14.5	14.5	14.2	15.0	13.6	15.8	14.9	15.7	14.3	16.5	15.3	16.0	14.4	16.4	13.6
-	13.4	-	3.9	-	14.4	11.1	11.6	10.9	11.4	8.7	14.2	11.3	13.0	12.5	12.1	7.6	12.5	9.8	11.8	11.1	11.5
3.3	-	3.9	-	4.0	-	3.7	12.3	0.5	12.4	1.9	13.7	2.2	12.1	0.8	10.6	0.8	8.0	-0.1	8.4	-3.1	9.8
3.5	-	3.9	-	4.9	-	3.1	7.5	3.6	1.6	4.4	-0.7	2.9	13.0	4.0	10.7	0.8	3.9	4.4	5.1	4.7	8.7

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