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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

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ISO RECOMMENDATION

R 564

DESIGNATIONS, DIAMETERS AND BREAKING STRENGTHS OF PREFORMED STRANDED STEEL CABLES FOR AIRCRAFT CONTROLS

1st EDITION
March 1967

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BRIEF HISTORY

The ISO Recommendation R 564, *Designations, Diameters and Breaking Strengths of Preformed Stranded Steel Cables for Aircraft Controls,* was drawn up by Technical Committee ISO/TC 20, *Aircraft,* the Secretariat of which is held by the British Standards Institution (BSI).

Work on this question by the Technical Committee began in 1958 and led, in 1964, to the adoption of a Draft ISO Recommendation.

In January 1965, this Draft ISO Recommendation (No. 787) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies:

Australia	Israel	Sweden
Belgium	Italy	Switzerland
Canada	Japan	Turkey
Denmark	Korea, Rep. of	U.A.R.
France	Netherlands	United Kingdom
Germany	Portugal	U.S.S.R.
Iran	Spain	

One Member Body opposed the approval of the Draft:

Czechoslovakia

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in March 1967 to accept it as an ISO RECOMMENDATION.

ISO Recommendation No. 564 March 1967

DESIGNATIONS, DIAMETERS AND BREAKING STRENGTHS OF PREFORMED STRANDED STEEL CABLES FOR AIRCRAFT CONTROLS

The designations, diameters and minimum breaking strengths of preformed stranded steel cables for aircraft controls should be in accordance with the Table below:

Designation of cable		Construction	Diameter of cable				Minimum tensile breaking load			
			maximum		minimum		Zinc plated carbon steel		Corrosion-resisting steel	
mm	in		mm	in	mm	in	kgf	lbf	kgf	lbf
1.6	1/16	7×7	1.8	0.072	1.6	0.063	220	480	220	480
2.4	3/32	7×7	2.7	0.106	2.4	0.094	420	920	420	920
3.2	1/8	7×19	3.5	0.139	3.2	0.125	910	2000	800	1760
4.0	5/32	7×19	4.4	0.172	4.0	0.156	1270	2800	1090	2400
4.8	3/16	7×19	5.2	0.205	4.8	0.188	1900	4200	1680	3700
5.6	7/32	7×19	6.0	0.237	5.6	0.219	2540	5600	2270	5000
6.4	1/4	7×19	6.8	0.268	6.4	0.250	3170	7000	2900	6400